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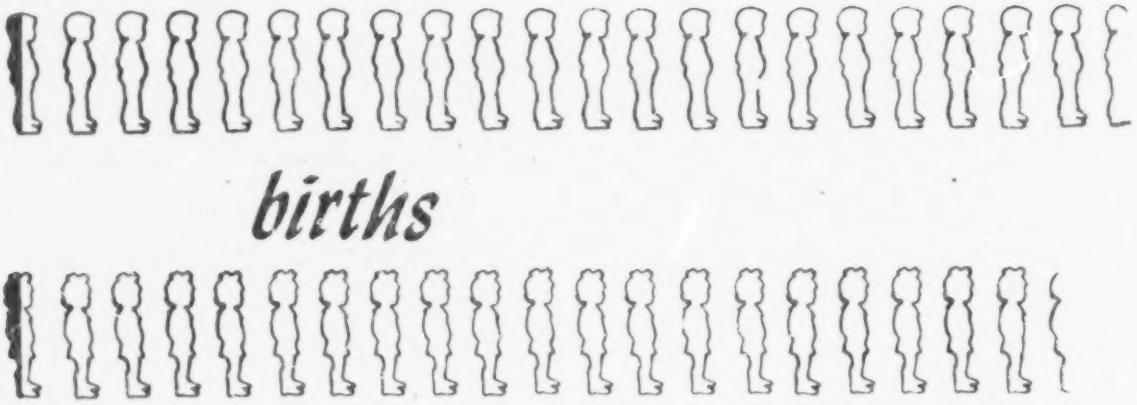
1980 utah vital statistics



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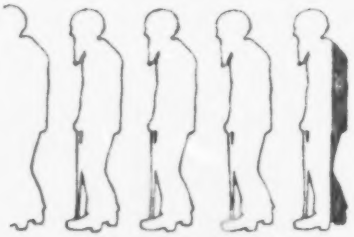

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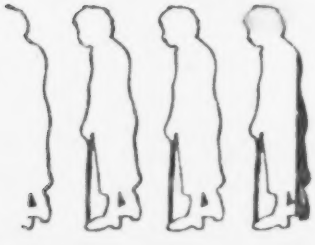

state of utah
department of health
office of management planning
bureau of health statistics

ON THE FRONT COVER: EACH FIGURE REPRESENTS 1,000 VITAL EVENTS (BIRTHS OR DEATHS) IN 1980, TO MALE AND FEMALE RESIDENTS AND THE SHADED AREAS REPRESENT THESE VITAL EVENTS TO NON-WHITE RESIDENTS OF THE STATE.

UTAH VITAL STATISTICS

ANNUAL REPORT

1980

Utah Department of Health
Office of Management Planning
Bureau of Health Statistics
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PREFACE

This report contains data about vital events experienced by Utah residents in 1980. The source of these data is the approximately 50,000 birth and death certificates registered for 1980 in the Bureau of Health Statistics of the Utah Department of Health.

The purpose of this report is to provide needed data for planners, students, researchers, public officials, private business and the general public. Data are presented for the State of Utah, the multi-county districts, and each of their counties. Marriage and divorce statistics are provided as totals in this report. Another report of the Bureau treats them more extensively.

The initial part of this report contains a narrative section with tables and charts to provide some analyses and explanation of these data. This is followed by a section of reference tables with more detailed information. A listing of other available tables appears at the end of the table of contents. These tabulations will be provided upon request to the Bureau. The last section of the report is the Technical Appendix with information on the sources, data quality, and limitations of data.

This publication was prepared under the direction of John E. Brockert, Director and Marvin Levy, Deputy Director. The narrative was written by Marvin Levy. The statistical tabulations were prepared by Gery E. Moore, Statistician. Norma Jacobsen prepared the manuscript and tables for printing..

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DEFINITIONS

This report uses many technical terms, which are herewith defined to aid the reader in the correct interpretation of data.

GENERAL:

NATURAL INCREASE	The excess of births over deaths among residents of an area.
OCCURRENCE, PLACE OF	Data allocated by place where the event occurred (city, county, state), irrespective of the person's place of residence.
RACE	Race for mother, father, or decedent is as reported by the respondent on the certificate. Race of child is determined from the race of the parents.
RESIDENCE, PLACE OF	Data allocated by place of residence (city, county, state), irrespective of where the event occurred, e.g. resident live births (or fetal deaths) by place of residence of the infant's mother; resident deaths by place of residence of the decedent.
SPANISH ORIGIN	Spanish origin is self-defined by respondents in terms of parental ancestry. Persons of Spanish origin may be of any race.

BIRTH (NATALITY):

BIRTH WEIGHT	The weight of a fetus or infant at time of delivery (usually recorded in grams or pounds and ounces).
GESTATIONAL PERIOD	The number of weeks elapsed between the first day of the last menstrual period and date of delivery.
LIVE BIRTH	The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after separation, shows evidence of life.
LIVE BIRTH ORDER	Order number is equal to number of previous live births plus current birth.
LOW BIRTH WEIGHT	A live birth weighing 5 pounds 8 ounces (2,500 grams) or less, regardless of the length of gestation (formerly referred to as a premature birth).
OUT-OF-WEDLOCK BIRTHS	Births which occur when the mother has not married at any time during the pregnancy.

DEATHS (MORTALITY):

FETAL DEATH	Death prior to the complete expulsion or extraction from its mother of a product of human conception irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not show evidence of life. Consistent with Utah law, this report includes only fetal deaths which result from pregnancies of 20 or more weeks gestation.
INFANT DEATH	Death of a live born infant less than one year (365 days) of age. Infants deaths equal the sum of neonatal plus postneonatal deaths.
MATERNAL DEATH	Death of the mother attributable to complications of pregnancy, childbirth, or the puerperium.
NEONATAL DEATH	Death occurring to an infant less than 28 days of age.
POSTNEONATAL DEATH	Death of a live born infant between 28 days and less than one year (365 days) of age.

RATES AND RATIOS:

ABORTION RATIO	The number of resident, occurrence abortions divided by the total resident live births x 1,000.
(CRUDE) BIRTH RATE	The number of resident live births divided by the total resident population x 1,000.
GENERAL FERTILITY RATE	The number of resident live births divided by the total female population, 15-44 years of age x 1,000.
AGE-SPECIFIC FERTILITY RATE	The number of resident live births to females in a specific age group divided by the total number of resident females in that specific age group x 1,000.
OUT-OF-WEDLOCK BIRTH RATE	The number of out-of-wedlock, resident live births divided by the total number of live births x 1,000.
LOW BIRTH WEIGHT PERCENTAGE	The number of resident low birth weight infants divided by the total resident live births x 100.
(CRUDE) DEATH RATE	The number of resident deaths divided by the total resident population x 1,000.
AGE-SPECIFIC DEATH RATE	The number of resident deaths in a specific age group divided by the total resident population in that specific age group x 100,000.
CAUSE-SPECIFIC DEATH RATE	The number of resident deaths due to a specific cause divided by the total resident population x 100,000.

AGE-SPECIFIC DEATH RATE BY CAUSE OF DEATH	The number of resident deaths in a specific age group from a specific cause divided by the total resident population in that specific age group x 100,000.
MATERNAL MORTALITY RATE	The number of resident maternal deaths divided by the total resident live births x 100,000.
INFANT MORTALITY RATE	The number of resident infant deaths divided by the total resident live births x 1,000.
NEONATAL DEATH RATE	The number of resident neonatal deaths divided by the total number of resident live births x 1,000.
POSTNEONATAL DEATH RATE	The number of resident postneonatal deaths divided by the total number of resident live births x 1,000.
FETAL DEATH RATE	The number of resident fetal deaths divided by the total resident live births plus the resident fetal deaths x 1,000.
FETAL DEATH RATIO	The number of resident fetal deaths divided by the total resident live births x 1,000.

SYMBOLS

Quantity (frequency) is zero	--
Percentage or rate is less than 0.05	0.0
Percentage or rate is not applicable	footnote
Data not available	N.A.

INTRODUCTION

AN OVERVIEW OF UTAH'S VITAL STATISTICS, 1980

The census of Utah's population on April 1, 1980, was 1,461,037 persons. The estimated population on July 1, was 1,474,000. The July 1, estimate is an increase of 4.1 percent over the estimated population of 1,416,000, for July 1, 1979. During the same period of time, the United States population increased by 1.0 percent.

There were 41,786 live births recorded to Utah residents for a crude birth rate of 28.4 live births per 1,000 population. The birth rate nationally was 15.8.[a] The fertility rate, a more precise measure of fecundity than the crude birth rate, was 123.0 live births per 1,000 females 15-44 years of age in Utah. Nationally, the fertility rate was 67.7.

There were 8,103 Utah resident deaths resulting in a mortality rate of 5.5 deaths per 1,000 population. The corresponding rate for the United States was 8.7.

The rate of natural increase in Utah was 22.9 persons per 1,000 population. This was a decrease of almost 6 percent from 1979, which showed a natural increase of 24.3. The natural increase nationally was 7.1 persons per 1,000 population.

Four hundred and thirty-five Utah infants died during their first year of life in 1980, for an infant mortality rate of 10.4 infant deaths per 1,000 live births. The corresponding rate nationally, 12.6, was the lowest infant mortality rate ever recorded at the national level. Of these 435 infants, 276 died during the neonatal period, under 28 days of age. The neonatal mortality rate was 6.6 deaths per 1,000 live births. This rate was almost 3 percent lower

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[a]All rate comparisons with the United States are for 1980 unless otherwise indicated.

than the rate of 6.8 in 1979. The neonatal mortality rate nationally was 8.4, a decrease of more than 3 percent from the rate of 8.7 in 1979. The postneonatal mortality rate, deaths from 28 days through the first year was 3.8 per 1,000 live births, a decrease of almost 3 percent from the rate of 3.9 in 1979. Nationally, this rate remained the same, 4.2 in both 1979 and 1980.

There were 324 stillbirths to Utah residents, representing a fetal mortality ratio of 7.8 fetal deaths per 1,000 live births, an increase of slightly more than one percent. The fetal mortality ratio nationally was 9.7 per thousand live births in 1978, the latest year for which data are available.

There were 16,957 marriages performed and 7,811 divorces and annulments granted in Utah during 1980. This gave Utah marriage and divorce rates of 11.5 and 5.3 per 1,000 population, respectively. More detailed data will be found in the annual report, Utah Marriage and Divorce, 1980, published by this bureau.

Historical trends in Utah's vital events and population change are summarized in Tables 1 and 2.

Table 3 summarizes the number, rates and ratios of resident vital events, i.e., live births; deaths; fetal deaths; induced abortions; and infant mortality by district and county in Utah for 1980. In counties with more than 100 resident live births, Emery County had the highest crude birth rate, 36.1 live births per 1,000 population, Utah County was second, with 35.6 and Cache County was third, with 31.3. Morgan and Grand counties had the lowest birth rates, 23.6 and 23.9 respectively.

Of those counties with 30 or more deaths, Garfield County with a crude mortality rate of 10.3 deaths per 1,000 population had the highest rate in the State. Beaver, 9.1, and Juab, 8.8, had the second and third highest mortality

TABLE 1

STATISTICAL SUMMARY (ESTIMATED MIDYEAR POPULATION, LIVE BIRTHS, DEATHS MATERNAL DEATHS, INFANT DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES AND ANNULMENTS): UTAH, 1935-1980

YEAR	ESTIMATED[1] MIDYEAR POPULATION	LIVE[2] BIRTHS	DEATHS	MATERNAL DEATHS	INFANT DEATHS	FETAL DEATHS	MARRIAGES	DIVORCES AND ANNULMENTS
1980	1,474,000	41,786	8,103	3	435	324	16,957	7,811
1979	1,416,000	41,078	7,871	6	438	317	16,713	7,594
1978	1,364,000	38,811	7,871	2	443	283	16,489	7,175
1977	1,316,000	37,956	7,612	4	381	318	15,098	6,947
1976	1,272,000	35,310	7,472	7	414	275	14,693	6,170
1975	1,234,000	31,667	7,519	6	415	257	14,858	6,131
1974	1,197,000	29,946	7,380	2	364	286	15,164	5,670
1973	1,169,000	27,978	7,573	5	354	219	14,840	5,137
1972	1,135,000	26,911	7,323	12	360	263	13,911	4,876
1971	1,101,000	27,552	7,245	2	382	258	12,497	4,419
1970	1,066,000	26,969	7,063	6	405	298	11,938	3,912
1969	1,047,000	24,232	6,791	4	382	238	11,633	3,841
1968	1,029,000	23,193	6,882	3	410	240	11,558	3,390
1967	1,019,000	22,948	6,516	3	383	241	10,220	3,288
1966	1,009,000	22,601	6,850	5	414	222	9,623	3,090
1965	991,000	22,261	6,672	5	419	224	8,736	2,872
1964	978,000	23,844	6,404	3	482	237	8,525	2,895
1963	974,000	24,952	6,544	4	464	288	8,194	2,659
1962	958,000	26,213	6,325	9	525	290	7,651	2,480
1961	936,000	26,590	6,081	7	538	263	7,401	2,360
1960	900,000	26,272	5,997	5	517	276	7,119	2,167
1959	870,000	25,645	5,879	10	514	321	6,734	2,179
1958	845,000	25,384	5,809	10	564	325	6,600	2,002
1957	826,000	26,064	5,696	8	561	317	6,672	1,565
1956	809,000	24,971	5,224	7	571	320	6,657	2,189
1955	783,000	24,602	5,092	7	507	330	6,294	2,059
1954	750,000	24,305	4,992	6	506	325	6,295	2,140
1953	739,000	23,583	5,084	5	565	301	6,926	2,433
1952	724,000	23,732	5,188	11	590	313	6,752	2,331
1951	706,000	22,769	4,895	10	565	276	6,843	2,271
1950	696,000	21,192	4,974	7	506	256	7,110	2,107
1949	671,000	21,164	4,929	5	527	297	6,402	2,166
1948	653,000	20,714	5,070	12	550	298	7,327	2,199
1947	636,000	21,724	4,996	17	545	303	7,965	2,927
1946	638,000	18,220	4,785	25	496	293	9,781	3,434
1945	591,000	15,680	4,859	21	488	268	7,034	2,651
1944	605,000	16,043	4,727	22	548	248	6,262	2,995
1943	631,000	16,940	4,713	27	539	275	6,705	1,982
1942	575,000	15,520	4,622	27	522	281	6,081	1,433
1941	551,000	13,227	4,347	26	402	268	7,263	1,360
1940	554,000	13,347	4,845	36	539	253	8,254	1,500
1939	543,000	13,007	4,712	40	544	278	([3])	([3])
1938	535,000	13,214	4,853	40	610	280	([3])	([3])
1937	529,000	12,693	4,989	42	525	262	([3])	([3])
1936	527,000	12,551	5,126	55	661	255	([3])	([3])
1935	526,000	12,695	5,066	59	625	274	([3])	([3])

[1]THE POPULATION ESTIMATES FOR 1935-1959 WERE REVISED TO AGREE WITH U. S. CENSUS ESTIMATES IN, UTAH VITAL STATISTICS ANNUAL REPORT, 1977; WHILE THE ESTIMATES FOR 1971-1979 HAVE BEEN REVISED IN THIS ISSUE TO AGREE WITH THE UTAH POPULATION WORK COMMITTEE ESTIMATES. BOTH WILL NOT AGREE WITH PRIOR REPORTS IN THIS SERIES.

[2]RESIDENT LIVE BIRTHS AND DEATHS HAVE BEEN REVISED TO AGREE WITH EARLIER RECORDS OF THE DEPARTMENT OF HEALTH, AS FOLLOWS: BIRTHS 1941-1944, 1948-1956; AND, DEATHS 1941-1944, 1949-1956.

[3]INFORMATION NOT AVAILABLE.

TABLE 2

LIVE BIRTHS, MORTALITY, NATURAL INCREASE, FETAL DEATHS, INDUCED ABORTIONS, INFANT MORTALITY, MARRIAGE, DIVORCE AND ANNULMENT RATES: UTAH, 1950-1979

YEAR	BIRTH		DEATH		NATURAL INCREASE		SPON. FETAL DEATH		INDUCED ABORTION		INFANT DEATHS		MARRIAGE		DIVORCE AND ANNULMENT	
	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.	UTAH	U.S.
1980	28.3	16.2	5.5	8.9	22.8	7.3	7.7	N.A.	91	N.A.	10.4	12.5	11.5	10.9	5.3	5.3
1979	29.0	15.8	5.6	8.7	23.4	7.1	7.7	N.A.	85	358	10.7	13.0	11.8	10.7	5.4	5.3
1978	28.5	15.3	5.8	8.8	22.7	6.5	7.3	9.7	76	347	11.4	13.6	12.1	10.5	5.3	5.2
1977	28.8	15.3	5.8	8.8	23.0	6.5	8.4	9.9	75	325	10.0	14.0	11.5	10.1	5.3	5.0
1976	27.8	14.7	5.9	8.9	21.9	5.8	7.8	10.5	67	313	11.7	15.1	11.6	9.9	4.9	5.0
1975	25.7	14.8	6.1	9.0	19.6	5.8	8.1	10.7	64	274	13.1	16.1	12.0	10.0	5.0	4.8
1974	25.0	15.0	6.2	9.1	18.8	5.9	9.6	11.5	49	246	12.2	16.7	12.7	10.5	4.7	4.6
1973	23.9	14.9	6.5	9.4	17.4	5.5	7.8	12.2	N.A.	210	12.7	17.7	12.7	10.9	4.4	4.4
1972	23.7	15.6	6.5	9.4	17.2	6.2	9.8	12.7	N.A.	315	13.4	18.5	12.3	11.0	4.3	4.0
1971	25.0	17.2	6.6	9.3	18.4	7.9	9.4	13.4	N.A.	N.A.	13.9	19.1	11.4	10.6	4.0	3.7
1970	25.3	18.7	6.6	9.5	18.7	9.2	11.0	14.2	N.A.	N.A.	15.0	20.0	11.2	10.6	3.7	3.5
1969	23.1	17.8	6.5	9.5	16.6	8.3	9.8	14.1	N.A.	N.A.	15.8	20.9	11.1	10.6	3.7	3.2
1968	22.5	17.5	6.7	9.7	15.8	7.8	10.3	15.8	N.A.	N.A.	17.7	21.8	11.2	10.4	3.3	2.9
1967	22.5	17.8	6.4	9.4	16.1	8.4	10.5	15.6	N.A.	N.A.	16.7	22.4	10.0	9.7	3.2	2.6
1966	22.4	18.4	6.8	9.5	15.6	8.9	9.8	15.7	N.A.	N.A.	18.3	23.7	9.5	9.4	3.1	2.5
1965	22.5	19.4	6.7	9.4	15.8	10.0	10.1	16.2	N.A.	N.A.	18.8	24.7	8.8	9.3	2.9	2.5
1964	24.4	21.0	6.5	9.4	17.9	11.6	9.9	16.4	N.A.	N.A.	20.2	24.8	8.7	9.0	3.0	2.4
1963	25.6	21.7	6.7	9.5	18.9	12.2	11.5	15.8	N.A.	N.A.	18.6	25.2	8.4	8.8	2.7	2.3
1962	27.4	22.4	6.6	9.4	20.8	13.0	11.1	15.9	N.A.	N.A.	20.0	25.3	8.0	8.5	2.6	2.2
1961	28.4	23.3	6.5	9.3	21.9	14.0	9.9	16.1	N.A.	N.A.	20.2	25.3	7.9	8.5	2.5	2.3
1960	29.2	23.7	6.7	9.5	22.5	14.2	10.5	16.1	N.A.	N.A.	19.7	26.0	7.9	8.5	2.4	2.2
1959	29.5	24.0	6.8	9.3	22.7	14.7	12.5	16.2	N.A.	N.A.	20.0	26.4	7.7	8.5	2.5	2.2
1958	30.0	24.3	6.9	9.4	23.1	14.9	12.8	16.5	N.A.	N.A.	22.2	27.1	7.8	8.4	2.4	2.1
1957	31.6	25.0	6.9	9.5	24.7	15.5	12.2	16.3	N.A.	N.A.	21.5	26.3	8.1	8.9	1.9	2.2
1956	30.9	24.9	6.5	9.3	24.4	15.6	12.8	16.5	N.A.	N.A.	22.9	26.0	8.2	9.5	2.7	2.3
1955	31.4	24.6	6.5	9.2	24.9	15.4	13.4	17.1	N.A.	N.A.	20.6	26.4	8.0	9.3	2.6	2.3
1954	32.4	24.9	6.7	9.1	25.7	15.8	13.4	17.5	N.A.	N.A.	20.8	26.6	8.4	9.2	2.9	2.4
1953	31.9	24.7	6.9	9.4	25.0	15.3	12.8	17.8	N.A.	N.A.	24.0	27.8	9.4	9.8	3.3	2.5
1952	32.8	24.7	7.2	9.4	25.6	15.3	13.2	18.3	N.A.	N.A.	24.9	28.4	9.3	9.9	3.2	2.5
1951	32.2	24.5	6.9	9.5	25.3	15.0	12.2	18.8	N.A.	N.A.	24.9	28.4	9.7	10.4	3.2	2.5
1950	30.4	23.6	7.1	9.5	23.3	14.1	12.1	19.2	N.A.	N.A.	23.9	29.2	10.2	11.1	3.0	2.6

NOTE: RESIDENT BIRTH, DEATH, MARRIAGE AND DIVORCE RATES ARE PER 1,000 POPULATION. INFANT MORTALITY RATE, SPONTANEOUS FETAL DEATH AND INDUCED ABORTION RATIOS ARE PER 1,000 RESIDENT LIVE BIRTHS. REPORTING OF LEGALLY INDUCED ABORTIONS IN UTAH BECAME EFFECTIVE ON APRIL 4, 1974. THE RATIO FOR 1974 IS BASED ON THE PROJECTED NUMBER FOR THE PERIOD JANUARY-DECEMBER 1974.

rates in the State. Counties with the lowest mortality rates in the State were Davis, 3.6, Utah 4.4 and tied for third lowest, San Juan and Summit each with 4.6.

Only 10 counties had 30 or more resident abortions in 1980. Of those, Summit County had the highest abortion ratio, 273.4 abortions per 1,000 live births. Salt Lake County was second highest with 145.4, while Weber County was third highest with 125.3. Utah County had the lowest abortion ratio, 21.1, with Box Elder second lowest, 35.5 and Uintah, third lowest with 58.9 abortions per 1,000 resident live births.

Six counties did not have any resident fetal deaths, while only five had more than ten. Of these, Salt Lake County had the highest fetal deaths ratio, 9.0 per 1,000 live births, followed by Utah County, 6.9; Cache and Weber counties, each with 6.1, and Davis County, 5.9.

Only four counties had 20 or more infant deaths. Utah County with an infant mortality rate of 12.0 per 1,000 live births had the highest, and was followed by: Weber County, 11.0; Salt Lake County, 10.0; and Davis County, 8.1.

TABLE 3

STATISTICAL SUMMARY (ESTIMATED MIDYEAR POPULATION, LIVE BIRTHS, DEATHS, INFANT DEATHS, FETAL DEATHS) BY COUNTY: UTAH 1980

DISTRICT AND COUNTY	ESTIMATED MIDYEAR POPULATION	LIVE BIRTHS NUMBER	LIVE BIRTHS RATE	DEATHS NUMBER	DEATHS RATE	INDUCED ABORTIONS NUMBER	INDUCED ABORTIONS RATIO	INFANT DEATHS NUMBER	INFANT DEATHS RATE	FETAL DEATHS NUMBER	FETAL DEATHS RATIO
TOTAL	1,474,000	41,786	28.3	8,103	5.5	3,821	91.4	435	10.4	302	7.2
DISTRICT 1	93,350	2,775	29.7	498	5.3	159	57.3	22	7.9	12	4.3
BOX ELDER	33,500	902	26.9	191	5.7	32	35.5	11	12.2	1	--
CACHE	57,700	1,805	31.3	293	5.1	125	69.3	9	5.0	11	6.1
RICH	2,150	68	31.6	14	6.5	2	--	2	--	--	--
DISTRICT 2N	298,250	7,832	26.3	1,432	4.8	754	96.3	74	9.4	47	6.0
DAVIS	147,900	4,083	27.6	531	3.6	295	72.3	33	8.1	24	5.9
MORGAN	4,950	117	23.6	27	5.5	4	--	1	--	1	--
WEBER	145,400	3,632	25.0	874	6.0	455	125.3	40	11.0	22	6.1
DISTRICT 2S	650,700	17,209	26.4	3,740	5.7	2,459	142.9	168	9.8	154	8.9
SALT LAKE	624,500	16,577	26.5	3,594	5.8	2,410	145.4	166	10.0	149	9.0
TOOELE	26,200	632	24.1	146	5.6	49	77.5	2	--	5	--
DISTRICT 3	239,400	8,362	34.9	1,073	4.5	263	31.5	102	12.2	57	6.8
SUMMIT	10,350	256	24.7	48	4.6	70	273.4	2	--	2	--
UTAH	220,400	7,838	35.6	961	4.4	165	21.1	94	12.0	54	6.9
WASATCH	8,650	268	31.0	64	7.4	28	104.5	6	--	1	--
DISTRICT 4	47,500	1,322	27.8	398	8.4	29	21.9	19	14.4	6	--
JUAB	5,550	151	27.2	49	8.8	7	46.4	--	--	2	--
MILLARD	9,050	267	29.5	75	8.3	3	--	7	26.2	1	--
PIUTE	1,350	34	25.2	19	14.1	1	--	1	--	--	--
SANPETE	14,750	389	26.4	123	8.3	7	18.0	6	--	--	--
SEVIER	14,850	424	28.6	113	7.6	8	18.9	5	--	3	--
WAYNE	1,950	57	29.2	19	9.7	3	--	--	--	--	--
DISTRICT 5	56,000	1,594	28.5	384	6.9	11	6.9	16	10.0	9	5.6
BEAVER	4,400	123	28.0	40	9.1	1	--	2	--	1	--
GARFIELD	3,700	100	27.0	38	10.3	2	--	--	--	--	--
IRON	17,450	507	29.1	101	5.8	4	--	6	--	1	--
KANE	4,050	104	25.7	32	7.9	1	--	1	--	1	--
WASHINGTON	26,400	760	28.8	173	6.6	3	--	7	9.2	6	--
DISTRICT 6	34,100	1,107	32.5	204	6.0	55	49.7	12	10.8	5	--
DAGGETT	750	27	36.0	2	--	1	--	--	--	--	--
DUCHESNE	12,650	418	33.0	85	6.7	15	35.9	3	--	2	--
UINTAH	20,700	662	32.0	117	5.7	39	58.9	9	13.6	3	--
DISTRICT 7	54,650	1,585	29.0	374	6.8	81	51.1	22	13.9	12	7.6
CARBON	22,350	615	27.5	193	8.6	42	68.3	9	14.6	5	--
EMERY	11,650	421	36.1	68	5.8	14	33.3	5	--	5	--
GRAND	8,250	197	23.9	56	6.8	24	121.8	5	--	1	--
SAN JUAN	12,400	352	28.4	57	4.6	1	--	3	--	1	--

NOTE: BIRTH AND DEATH RATES ARE PER 1,000 POPULATION. INFANT MORTALITY RATES AND FETAL DEATH AND ABORTION RATIOS ARE PER 1,000 LIVE BIRTHS. RATES AND RATIOS ARE NOT COMPUTED FOR LESS THAN 7 DEATHS. TOTAL ABORTIONS INCLUDE 10 WITH COUNTY NOT STATED.

POPULATION

UTAH'S POPULATION

The decennial census of the United States was conducted on April 1, 1980. Utah's population on that date was 1,461,037 persons. The populations of Utah by district and county are shown in Table 4. Table 5 shows the intercensal population estimates of Utah and its counties for the period July 1, 1970 through July 1, 1980. These estimates have been adopted by the Utah Census Data Center as the official population estimates for Utah State government during the past decade.[1]

Table 6 contains the age and sex distribution of the population of Utah and the United States from the 1980 census. Utah has a very young population compared with the rest of the nation. The median age in Utah was 24.2 years while the median age nationally was 29.5 years, Table 7. Alaska, with a median age of 26.1 had the second lowest median age.

Tables 8 shows the distribution by age, sex and "race" in Utah. Figure 1 contains a population pyramid for Utah and the United States based on the 1980 census, while Figure 2 shows the change in Utah's age structure between 1970 and 1980. For additional census data, contact the Bureau of Health Statistics or the State Planning Coordinator's Office.

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[1]Brockert, John E., Stephen H. Kan, and Kenneth E. Jensen, "Utah Intercensal Population Estimates for the 1970s," Utah Economic and Business Review, September 1981, Vol. 41, No. 9, Bureau of Economic and Business Research, University of Utah, Salt Lake City, Utah.

TABLE 4

POPULATION BY RACE (INCLUDING SPANISH ORIGIN) AND COUNTY OF RESIDENCE: UTAH, CENSUS, APRIL 1, 1980

DISTRICT AND COUNTY	NUMBER OF PERSONS AND RACE[1]						
	TOTAL	WHITE	BLACK	AM. INDIAN ESKIMO AND ALEUT	ASIAN AND PACIFIC ISLANDER	OTHER	SPANISH ORIGIN
TOTAL	1,461,037	1,382,550	9,225	19,256	15,076	34,930	60,302
DISTRICT 1	92,498	88,386	224	1,508	1,069	1,311	2,023
DISTRICT 2N	296,073	278,264	4,460	1,512	3,144	8,693	14,055
DISTRICT 2S	645,099	607,840	4,224	4,694	8,163	20,178	33,262
DISTRICT 3	236,827	229,815	158	1,985	2,019	2,850	5,365
DISTRICT 4	47,087	45,869	28	533	222	435	696
DISTRICT 5	55,489	54,279	32	758	174	246	704
DISTRICT 6	33,840	31,261	8	2,245	77	249	755
DISTRICT 7	54,124	46,836	91	6,021	208	968	3,442
BEAVER	4,378	4,316	--	27	24	11	85
BOX ELDER	33,222	30,863	11	1,294	375	679	1,299
CACHE	57,176	55,449	213	206	687	621	708
CARBON	22,179	21,231	78	137	74	659	2,423
DAGGETT	769	767	--	1	1	--	13
DAVIS	146,540	138,365	2,235	754	1,709	3,477	5,436
DUCHESNE	12,565	12,175	2	292	29	67	177
EMERY	11,451	11,214	--	120	57	60	233
GARFIELD	3,673	3,589	1	66	9	8	36
GRAND	8,241	7,966	2	164	37	72	353
IRON	17,349	16,782	18	372	61	116	239
JUAB	5,530	5,461	1	47	4	17	55
KANE	4,024	3,963	1	38	5	17	46
MILLARD	8,970	8,557	1	137	135	140	157
MORGAN	4,917	4,845	--	22	20	30	49
PIUTE	1,329	1,321	--	5	1	2	17
RICH	2,100	2,074	--	8	7	11	16
SALT LAKE	619,066	583,962	4,056	4,324	8,021	18,703	30,867
SAN JUAN	12,253	6,425	11	5,600	40	177	433
SANPETE	14,620	14,192	24	148	60	196	268
SEVIER	14,727	14,452	--	178	20	77	175
SUMMIT	10,198	10,073	7	45	27	46	204
TOOELE	26,033	23,878	168	370	142	1,475	2,395
UINTAH	20,506	18,319	6	1,952	47	182	565
UTAH	218,106	211,320	148	1,879	1,979	2,780	5,040
WASATCH	8,523	8,422	3	61	13	24	121
WASHINGTON	26,065	25,629	12	255	75	94	298
WAYNE	1,911	1,886	2	18	2	3	24
WEBER	144,616	135,054	2,225	736	1,415	5,186	8,570

SOURCE: "UTAH, FINAL POPULATION AND HOUSING UNIT COUNTS," 1980 CENSUS OF POPULATION AND HOUSING, ADVANCE REPORTS, PHC80-V-46, BUREAU OF THE CENSUS, U.S. DEPARTMENT OF COMMERCE, ISSUED MARCH, 1981.

[1]COUNTS OF THE POPULATION BY RACE AND SPANISH ORIGIN ARE PROVISIONAL. PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 5

INTERCENSAL POPULATION ESTIMATES BY COUNTY: UTAH, JULY 1, 1970 TO July 1, 1980

	APRIL 1 1970 CENSUS	ESTIMATED POPULATION JULY 1, 1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	APRIL 1 1980 CENSUS	REVISED ESTIMATE 7-1-80
TOTAL	1,059,273	1,066,000	1,101,000	1,135,000	1,169,000	1,197,000	1,234,000	1,272,000	1,316,000	1,364,000	1,416,000	1,461,037	1,474,000
BEAVER	3,800	3,850	3,850	3,850	3,850	3,950	3,900	4,000	4,150	4,200	4,350	4,378	4,400
BOX ELDER	28,129	28,150	28,450	28,800	29,200	29,100	29,900	30,100	30,800	31,500	32,350	33,222	33,500
CACHE	42,331	42,550	43,150	44,050	45,350	46,850	48,100	50,100	51,700	53,200	54,800	57,176	57,700
CARBON	15,647	15,750	16,650	17,200	17,550	17,900	18,750	19,450	20,150	20,750	21,350	22,179	22,350
DAGGETT	666	650	650	600	600	700	800	750	700	750	750	769	750
DAVIS	99,028	99,600	107,800	113,300	116,600	119,900	123,900	128,100	133,200	134,900	142,400	146,540	147,900
DUCHESNE	7,299	7,400	8,500	9,900	11,000	11,550	11,500	11,150	11,400	11,600	11,850	12,565	12,650
EMERY	5,137	5,150	5,600	6,100	6,700	6,800	7,600	8,850	9,700	10,300	11,000	11,451	11,650
GARFIELD	3,157	3,150	3,100	3,100	3,050	3,100	3,200	3,250	3,350	3,350	3,450	3,673	3,700
GRAND	6,688	6,600	6,550	6,500	6,450	6,500	6,900	7,300	7,650	8,100	7,950	8,241	8,250
IRON	12,177	12,300	13,300	14,050	14,200	14,500	14,950	15,500	16,000	16,650	17,050	17,349	17,450
JUAB	4,574	4,600	4,600	4,700	4,800	5,000	4,950	5,050	5,150	5,250	5,400	5,530	5,550
KANE	2,421	2,450	2,800	2,950	3,150	3,250	3,350	3,500	3,750	3,850	3,800	4,024	4,050
MILLARD	6,988	7,050	7,150	7,350	7,400	7,500	7,900	7,950	8,050	8,250	8,550	8,970	9,050
MORGAN	3,983	4,050	4,050	4,050	4,200	4,350	4,350	4,500	4,600	4,600	4,800	4,917	4,950
PIUTE	1,164	1,150	1,150	1,150	1,200	1,200	1,250	1,200	1,200	1,250	1,250	1,329	1,350
RICH	1,615	1,600	1,550	1,550	1,550	1,650	1,700	1,700	1,850	1,800	2,050	2,100	2,150
SALT LAKE	458,607	461,500	467,300	477,100	491,800	504,500	521,200	539,400	556,000	576,600	599,100	619,066	624,500
SAN JUAN	9,606	9,700	9,600	9,850	10,050	10,350	10,700	10,750	11,350	11,800	12,150	12,253	12,400
SANPETE	10,976	11,000	11,250	11,400	11,850	11,900	12,150	12,500	13,050	13,650	14,050	14,620	14,750
SEVIER	10,103	10,150	10,850	11,350	11,750	11,950	12,550	13,050	13,400	14,000	14,450	14,727	14,850
SUMMIT	5,879	5,900	6,400	6,900	7,050	7,300	7,500	7,850	8,450	8,950	9,500	10,198	10,350
TOOELE	21,545	21,600	21,700	21,800	22,150	22,650	23,150	23,550	24,250	24,850	25,450	26,033	26,200
UINTAH	12,684	12,800	14,100	15,250	16,050	16,950	17,350	17,500	18,450	19,000	19,800	20,506	20,700
UTAH	137,776	139,300	151,000	160,400	166,100	171,100	176,800	184,700	193,700	203,100	211,500	218,106	220,400
WASATCH	5,863	5,950	6,350	6,650	6,700	6,650	7,000	7,200	7,550	7,850	8,000	8,523	8,650
WASHINGTON	13,669	13,900	15,100	16,150	17,600	18,150	19,000	20,250	21,550	23,050	25,000	26,065	26,400
WAYNE	1,483	1,450	1,500	1,450	1,500	1,550	1,600	1,650	1,700	1,800	1,900	1,911	1,950
WEBER	126,278	126,700	127,100	127,600	129,500	130,100	131,900	131,200	133,100	138,800	141,900	144,616	145,400

NOTE: 1) COLUMNS MAY NOT ADD TO STATE TOTAL DUE TO ROUNDING.
2) THE POPULATION OF DAGGETT COUNTY, AS COUNTED IN THE SPECIAL CENSUS ON OCTOBER 15, 1975, WAS 782; THE POPULATION OF PIUTE COUNTY, AS COUNTED IN THE SPECIAL CENSUS ON OCTOBER 7, 1975, WAS 1,250. THE ESTIMATES SHOWN HERE HAVE BEEN ADJUSTED TO REFLECT THESE COUNTS.

TABLE 6

POPULATION, PERCENTAGE DISTRIBUTION BY AGE AND SEX (PROVISIONAL)
UTAH AND UNITED STATES, CENSUS, APRIL 1, 1980

AGE INTERVAL IN YEARS	UNITED STATES		UTAH	
	MALE	FEMALE	MALE	FEMALE
All AGES	100.0	100.0	100.0	100.0
UNDER 5	7.6	6.9	13.4	12.6
5-9	7.8	7.0	10.3	9.7
10-14	8.5	7.7	8.9	8.3
15-19	9.8	8.9	9.5	9.5
20-24	9.7	9.1	10.5	10.8
25-29	8.8	8.4	9.5	9.0
30-34	7.9	7.6	7.4	7.1
35-39	6.2	6.1	5.5	5.4
40-44	5.2	5.1	4.4	4.4
45-49	4.9	4.9	3.9	3.9
50-54	5.1	5.2	3.8	3.8
55-59	5.0	5.3	3.5	3.7
60-64	4.2	4.7	3.1	3.3
65-69	3.5	4.2	2.4	2.8
70-74	2.6	3.4	1.8	2.3
75 AND OLDER	3.2	5.5	2.2	3.5
UNDER 5	7.6	6.9	13.4	12.6
5-19	26.0	23.6	28.7	27.6
20-64	57.0	56.4	51.5	51.3
65 AND OLDER	9.4	13.1	6.4	8.5

SOURCE: 1980 CENSUS DATA, BUREAU OF THE CENSUS, U.S. DEPARTMENT OF COMMERCE, FEB. 17, 1981.

TABLE 7

MEDIAN AGE: UNITED STATES AND EACH STATE, CENSUS, APRIL 1, 1980

REGION, DIVISION AND STATE	MEDIAN AGE
UNITED STATES	30.0
NORTHEAST	
NEW ENGLAND	**31.2**
MAINE	30.4
NEW HAMPSHIRE	30.1
VERMONT	29.4
MASSACHUSETTS	31.2
RHODE ISLAND	31.8
CONNECTICUT	32.0
MIDDLE ATLANTIC	**32.0**
NEW YORK	31.9
NEW JERSEY	32.2
PENNSYLVANIA	32.1
NORTH CENTRAL	
EAST NORTH CENTRAL	**29.5**
OHIO	29.9
INDIANA	29.2
ILLINOIS	29.9
MICHIGAN	28.9
WISCONSIN	29.4
WEST NORTH CENTRAL	**29.9**
MINNESOTA	29.2
IOWA	30.0
MISSOURI	30.9
NORTH DAKOTA	28.3
SOUTH DAKOTA	28.9
NEBRASKA	29.7
KANSAS	30.1
SOUTH	
SOUTH ATLANTIC	**30.7**
DELAWARE	29.7
MARYLAND	30.3
DIST. OF COLUMBIA	31.1
VIRGINIA	29.8
WEST VIRGINIA	30.4
NORTH CAROLINA	29.6
SOUTH CAROLINA	28.2
GEORGIA	28.7
FLORIDA	34.7
EAST SOUTH CENTRAL	**29.3**
KENTUCKY	29.1
TENNESSEE	30.1
ALABAMA	29.3
MISSISSIPPI	27.7
WEST SOUTH CENTRAL	**28.5**
ARKANSAS	30.6
LOUISIANA	27.4
OKLAHOMA	30.1
TEXAS	28.2
WEST	
MOUNTAIN	**28.0**
MONTANA	29.0
IDAHO	27.6
WYOMING	27.1
COLORADO	28.6
NEW MEXICO	27.4
ARIZONA	29.2
UTAH	24.2
NEVADA	30.3
PACIFIC	**29.8**
WASHINGTON	29.8
OREGON	30.2
CALIFORNIA	29.9
ALASKA	26.1
HAWAII	28.4

SOURCE: "AGE, SEX, RACE, AND SPANISH ORIGIN OF THE POPULATION BY REGIONS, DIVISIONS, AND STATES: 1980," 1980 CENSUS OF POPULATION, SUPPLEMENTARY REPORTS, PC80-S1-1, BUREAU OF THE CENSUS, U.S. DEPT. OF COMMERCE, ISSUED MAY 1981.

TABLE 8

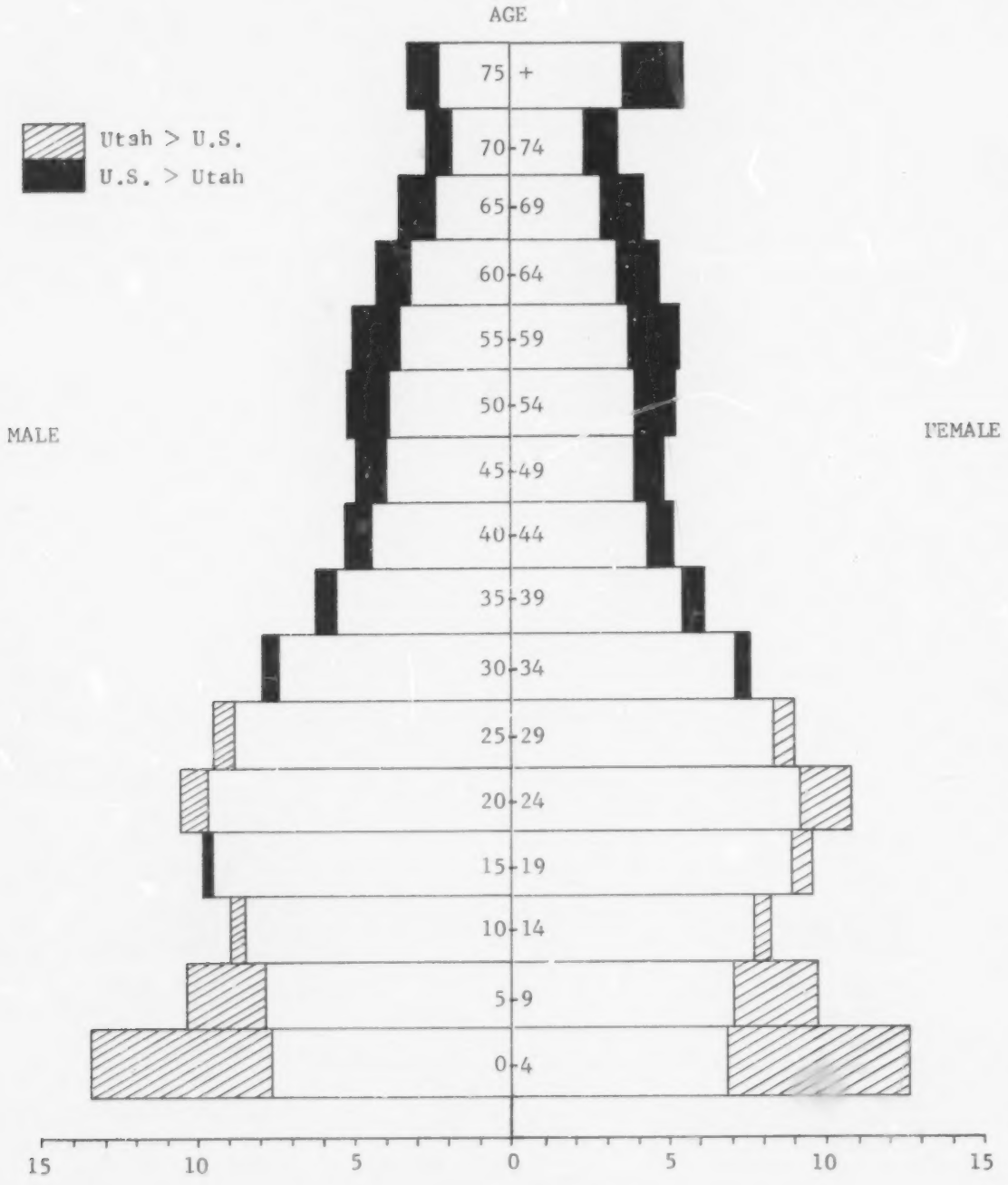
POPULATION BY AGE, RACE AND SEX (PROVISIONAL): UTAH, CENSUS, APRIL 1, 1980

	ALL RACES			WHITE			BLACK			OTHER NONWHITE		
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
TOTAL	1,461,037	724,501	736,536	1,382,550	684,092	698,458	9,225	5,382	3,843	69,262	35,027	34,235
UNDER 5	189,962	97,310	92,652	179,243	91,942	87,301	959	475	484	9,760	4,893	4,867
5 to 9	146,187	74,483	71,704	137,575	70,197	67,378	764	383	381	7,848	3,903	3,945
10 to 14	125,681	64,228	61,453	117,952	60,331	57,621	659	327	332	7,070	3,570	3,500
15 to 19	138,903	69,021	69,882	128,710	63,538	65,172	1,497	986	511	8,696	4,497	4,199
20 to 24	155,676	75,915	79,761	145,541	70,409	75,132	1,455	972	483	8,680	4,534	4,146
25 to 29	135,087	68,860	66,227	126,517	64,327	62,190	989	629	360	7,581	3,904	3,677
30 to 34	105,688	53,430	52,258	99,828	50,386	49,442	674	407	267	5,186	2,637	2,549
35 to 39	79,178	39,561	39,617	75,352	37,604	37,748	413	237	176	3,413	1,720	1,693
40 to 44	63,628	31,574	32,054	60,749	30,115	30,634	337	188	149	2,542	1,271	1,271
45 to 49	57,021	28,201	28,820	54,737	27,074	27,663	266	150	116	2,018	977	1,041
50 to 54	55,845	27,594	28,251	53,659	26,503	27,156	279	152	127	1,907	939	968
55 to 59	52,701	25,604	27,097	50,966	24,711	26,255	288	153	135	1,447	740	707
60 to 64	46,260	22,152	24,108	44,968	21,553	23,415	215	114	101	1,077	485	592
65 to 69	38,183	17,636	20,547	37,274	17,201	20,073	163	91	72	746	344	402
70 to 74	29,637	13,031	16,606	28,988	12,694	16,294	123	50	73	526	287	239
75 to 79	20,242	8,263	11,979	19,813	8,056	11,757	77	40	37	352	167	185
80 to 84	12,306	4,627	7,679	12,039	4,527	7,512	34	17	17	233	83	150
85+	8,852	3,011	5,841	8,639	2,924	5,715	33	11	22	180	76	104
UNDER 15	461,830	236,021	225,809	434,770	222,470	212,300	2,382	1,185	1,197	24,678	12,366	12,312
15 TO 64	889,987	441,912	448,075	841,027	416,220	424,807	6,413	3,988	2,425	42,547	21,704	20,843
65+	109,220	46,568	62,652	106,753	45,402	61,351	430	209	221	2,037	957	1,080

SOURCE: UNPUBLISHED 1980 CENSUS DATA, BUREAU OF THE CENSUS, U.S. DEPT. OF COMMERCE, FEB. 27, 1981.

FIGURE 1

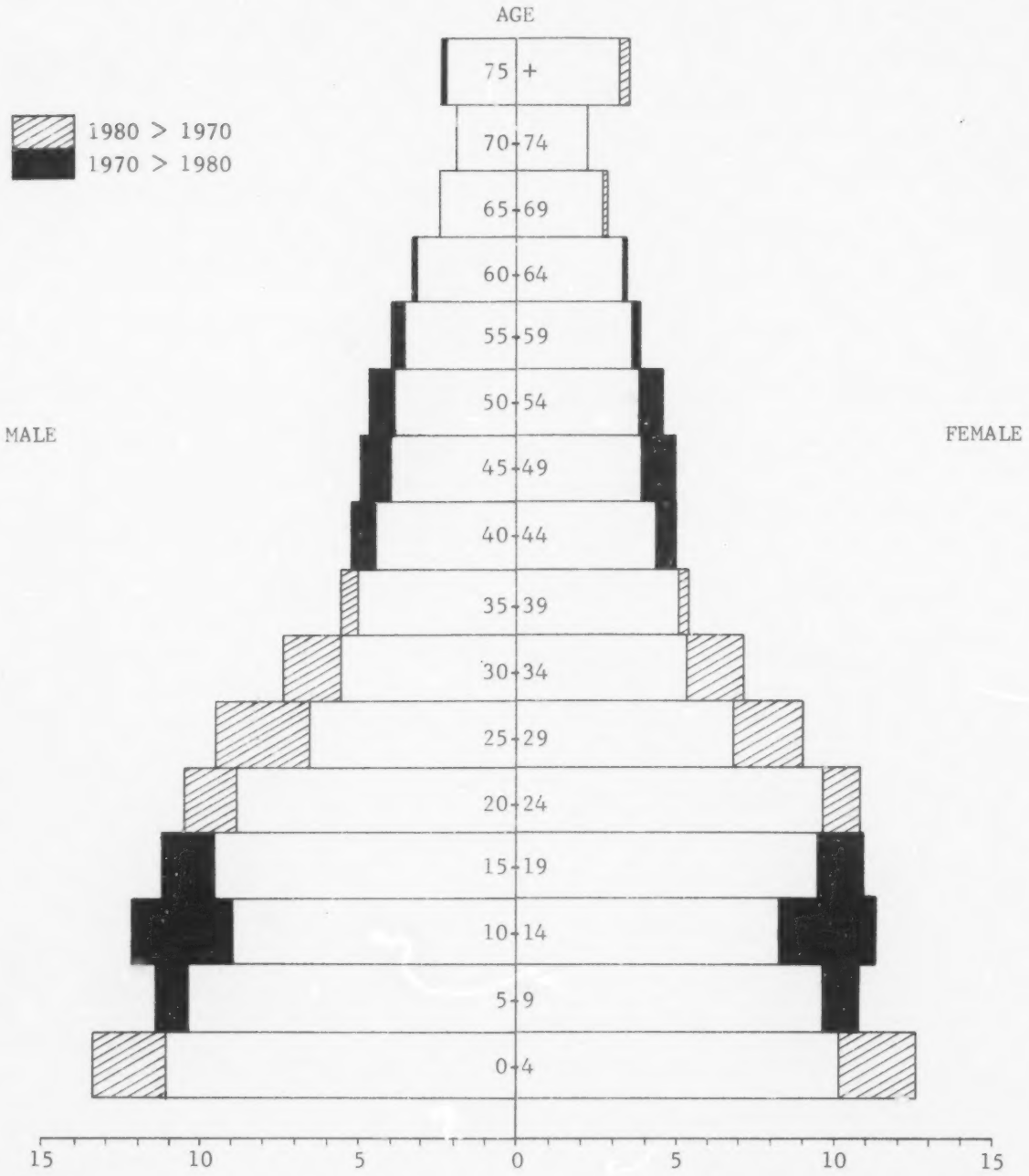
PERCENTAGE DISTRIBUTIONS OF POPULATIONS BY AGE AND SEX
UTAH AND THE UNITED STATES, CENSUS, APRIL 1, 1980



SOURCE: Unpublished 1980 census data, Bureau of the Census, U.S. Department of Commerce, February 27, 1981.

FIGURE 2

COMPARISON OF POPULATIONS BY AGE AND SEX
UTAH, CENSUS, APRIL 1, 1970 AND 1980



BIRTHS

BIRTH SUMMARY

In Utah, during the 10 year period, 1970 to 1980, the fertility rate, number of live births per 1,000 females 15-44 years of age, increased by almost five percent, from 117.4 to 123.0, Table 9. The provisional fertility rate nationally was 67.7 in 1980.

Fertility rates by woman's county of residence are summarized in Table 10. In general, the more urbanized counties appear to have lower fertility rates except for two rural counties, Grand and Summit, which had the lowest fertility rates, 103.0 and 104.1 live births per 1,000 females 15-44 years of age. Other counties with low fertility rates were: Weber (112.3); Salt Lake (112.6); Tooele (113.2); Morgan (116.3); and Davis (122.6). Every county south of Salt Lake County except for Grand County (103.0) and Iron County (129.5) had fertility rates over 130 per 1,000 females 15-44 years of age. Excluding counties with fewer than 100 live births in 1980, the five with the highest rates were: Emery (170.2); Millard (165.4); Beaver (160.8); Duchesne (153.9); and Wasatch (153.4). Utah County, the largest county south of Salt Lake had the tenth highest fertility rate, 140.5.

Age-specific fertility rates varied considerably, as usual, between age groups in 1980, with a high of 193.5 for the 20-24 year olds to a low of 12.3 to women who were 40-44 years of age, Table 11. Among the six age groups, teenagers had the third lowest fertility rate, 65.3 live births per 1,000 females in that age group. Nationally the teen-age fertility rate was 53.4 for all races and 44.5 for whites in 1979, Table 12.

Teen-age fertility, however showed the largest percentage increase between 1970 and 1980 in Utah, almost 15 percent. The only other age groups which had increases in fertility rates were the 30-34 and 35-39 year olds,

TABLE 9

LIVE BIRTHS, POPULATION AND FERTILITY RATES, RESIDENT FEMALES 15-44 YEARS OF AGE FOR SELECTED YEARS: UTAH AND UNITED STATES, 1950-1980

YEAR	UTAH RESIDENT LIVE BIRTHS	UTAH FEMALES AGES 15-44	FERTILITY RATE[1] UTAH	FERTILITY RATE[1] U.S.[2]
1980	41,786	339,799	123.0	67.7
1979	41,078	330,596	124.3	68.5
1978	38,811	320,568	121.1	66.6
1977	37,956	309,987	122.4	67.8
1976	35,310	299,044	118.1	65.8
1975	31,667	287,924	110.0	66.7
1974	29,946	276,605	108.3	68.4
1973	27,978	265,157	105.5	69.2
1972	26,911	253,630	106.1	73.4
1971	27,552	241,851	113.9	81.8
1970	26,969	229,700	117.4	87.9
1965	22,261	204,485	108.9	96.3
1960	26,272	179,275	146.5	118.0
1955	24,602	165,653	148.5	[3]118.3
1950	21,192	152,031	139.4	[3]106.2

[1]PER 1,000 WOMEN 15-44 YEARS OF AGE.

[2]SOURCE: VITAL STATISTICS OF THE UNITED STATES, 1976, VOLUME 1--NATALITY, NATIONAL CENTER FOR HEALTH STATISTICS, U.S. DEPT. OF HEALTH AND HUMAN SERVICES, HYATTSVILLE, MARYLAND, 1980, (PHS) 81-1100.

[3]ADJUSTED FOR UNDER-REGISTRATION.

TABLE 10

LIVE BIRTHS, POPULATION AND FERTILITY RATES, RESIDENT FEMALES 15-44 YEARS OF AGE BY DISTRICT AND COUNTY: UTAH, 1980

RESIDENCE OF MOTHER	LIVE BIRTHS TO FEMALES 15-44 YEARS	FEMALE POPULATION 15-44 YEARS APRIL 1, 1980	FERTILITY RATE
TOTAL	41,727	339,799	122.8
DISTRICT 1	2,771	21,528	128.7
BOX ELDER	902	6,927	130.2
CACHE	1,801	14,183	127.0
RICH	68	418	162.7
DISTRICT 2N	7,821	66,552	117.5
DAVIS	4,079	33,259	122.6
MORGAN	117	1,006	116.3
WEBER	3,625	32,287	112.3
DISTRICT 2S	17,188	152,608	112.6
SALT LAKE	16,556	147,023	112.6
TOOELE	632	5,585	113.2
DISTRICT 3	8,351	59,907	139.4
SUMMIT	256	2,458	104.1
UTAH	7,827	55,702	140.5
WASATCH	268	1,747	153.4
DISTRICT 4	1,319	8,888	148.4
JUAB	151	1,029	146.7
MILLARD	266	1,608	165.4
PIUTE	34	220	154.5
SANPETE	389	2,901	134.1
SEVIER	423	2,799	151.1
WAYNE	56	331	169.2
DISTRICT 5	1,591	11,190	142.2
BEAVER	123	765	160.8
GARFIELD	100	690	144.9
IRON	504	3,893	129.5
KANE	104	768	135.4
WASHINGTON	760	5,074	149.8
DISTRICT 6	1,102	7,418	148.6
DAGGETT	27	167	161.7
DUCHESNE	415	2,696	153.9
UINTAH	660	4,555	144.9
DISTRICT 7	1,584	11,708	135.3
CARBON	615	4,683	131.3
EMERY	421	2,474	170.2
GRAND	197	1,912	103.0
SAN JUAN	351	2,639	133.0

TABLE 11

FERTILITY RATES BY AGE OF WOMAN: UTAH, 1970-1980

YEAR	TOTAL AGES 15-44	AGE OF MOTHER 15-19	20-24	25-29	30-34	35-39	40-44
1980	123.0	65.3	193.5	188.5	125.5	57.9	12.3
1979	124.3	64.4	196.8	196.3	126.7	57.8	12.2
1978	121.1	62.2	194.5	192.2	125.3	54.4	12.5
1977	122.4	60.8	201.3	200.6	124.4	50.5	11.9
1976	118.1	56.9	196.3	200.4	116.0	48.0	12.0
1975	110.0	55.5	186.3	184.2	107.5	44.2	10.8
1974	108.3	54.6	187.4	182.2	105.0	42.7	10.9
1973	105.5	55.6	178.9	180.7	102.2	45.3	11.7
1972	106.1	55.6	183.0	180.9	102.5	49.1	12.0
1971	113.9	54.8	205.3	193.0	113.5	50.8	14.3
1970	117.4	57.0	208.2	206.0	120.4	55.2	12.5
PERCENT CHANGE 1970-1980	+5	+15	-7	-8	+4	+5	-2

NOTE: THE FERTILITY RATE IS THE NUMBER OF LIVE BIRTHS TO WOMEN OF A SPECIFIED AGE PER 1,000 WOMEN RESIDENTS OF THAT AGE. RATES FOR 1970 AND 1980 ARE BASED ON ACTUAL POPULATION COUNTS FROM THE CENSUS' OF POPULATION. RATES FOR 1971-1979 ARE BASED ON POPULATION ESTIMATES PREPARED BY THE BUREAU OF HEALTH STATISTICS.

with increases of 4 and 5 percent respectively. Women in the age groups 20-24 and 25-29 had decreases in their fertility rates, 7 and 8 percent respectively, although these women had the two highest fertility rates, in both 1970 and 1980. In 1980 their rates were 193.5 and 188.5, while their rates were 208.2 and 206.0 in 1970. Nationally, between 1970 and 1979, the fertility rates decreased for each racial group, i.e. white, black and all other, and in each five year age group.

Of the 42,801 births occurring in Utah in 1980, 97 percent, 41,509, were to residents of the State, Table 13. Salt Lake County had the largest number of non-Utah resident live births, 282, while Washington and Cache counties had the second and third highest number, 275 and 228 respectively. Washington County had the highest percentage of non-Utah resident births, 26 percent. For every four births occuring in Washington County, one was to a resident of another State, primarily Nevada.

Over 99 percent of the births to Utah residents in 1980, occurred within the state. San Juan County with 103 resident live births occurring out-of-state had the largest number and percentage of these events. For every 10 births to residents of San Juan County, 3 occurred outside of the State of Utah. Daggett County with a much smaller number of resident live births, 27, had 3 out of 10 births occur outside of Utah. Rich County had 2 in 10 of its 68 births occur beyond the borders of the State.

In 1980, 21,454 males and 20,332 females were born to Utah residents. This gave the State a sex ratio of 105.5 males per 100 females born during the year, Table 14. Traditionally more male than female infants are born each year, with the ratio varying between 102.8 to 106.3 in Utah during the past twenty years. The sex ratio nationally is more stable, due to the larger number of births and has varied between 104.8 to 105.5 over the last twenty years.

TABLE 12

FERTILITY RATES BY AGE OF WOMAN
AND RACE: UNITED STATES, 1970 AND 1979

	TOTAL 15-44 YEARS	AGE OF WOMAN					
		15-19	20-24	25-29	30-34	35-39	40-44
ALL RACES							
1979	68.5	53.4	115.7	115.6	61.8	19.4	3.9
1970	87.9	68.3	167.8	145.1	73.3	31.7	8.1
WHITE							
1979	64.5	44.5	109.7	114.6	60.5	18.2	3.5
1970	84.1	57.4	163.4	145.9	71.9	30.0	7.5
BLACK							
1979	90.5	104.9	150.5	114.2	62.4	24.4	6.1
1970	115.4	147.7	202.7	136.3	79.6	41.9	12.5
ALL OTHER							
1979	91.4	100.2	148.7	121.2	70.3	27.5	6.5
1970	113.0	133.4	196.8	140.1	82.5	42.2	12.6

SOURCE: "ADVANCE REPORT OF FINAL NATALITY STATISTICS, 1979," MONTHLY VITAL STATISTICS REPORT, VOL. 30, NO. 6, SUPP. (2), SEPT. 29, 1981, NCHS.

TABLE 13

BIRTHS THAT OCCURRED IN UTAH AND TO UTAH RESIDENTS OUTSIDE UTAH, 1980

DISTRICT AND COUNTY	BIRTHS BY COUNTY OF MOTHER'S RESIDENCE			BIRTHS BY COUNTY OF OCCURRENCE		
	TOTAL	OCCURRENCE IN UTAH	OCCURENCE OUT OF UTAH	TOTAL	MOTHER A UTAH RESIDENT	MOTHER NOT A UTAH RESIDENT
TOTAL	41,786	41,509	277	42,801	41,509	1,292
DISTRICT 1	2,775	2,745	30	2,856	2,605	251
BOX ELDER	902	901	1	754	731	23
CACHE	1,805	1,789	16	2,102	1,874	228
RICH	68	55	13	--	--	--
DISTRICT 2N	7,832	7,812	20	7,900	7,674	226
DAVIS	4,083	4,077	6	2,851	2,799	52
MORGAN	117	116	1	1	1	--
WEBER	3,632	3,619	13	5,048	4,874	174
DISTRICT 2S	17,209	17,178	31	18,260	17,978	282
SALT LAKE	16,577	16,552	25	18,029	17,747	282
TOOELE	632	626	6	231	231	--
DISTRICT 3	8,362	8,328	34	8,389	8,292	97
SUMMIT	256	255	1	37	29	8
UTAH	7,838	7,805	33	8,074	7,994	80
WASATCH	268	268	--	278	269	9
DISTRICT 4	1,322	1,317	5	1,127	1,119	8
JUAB	151	151	--	58	57	1
MILLARD	267	265	2	225	222	3
PIUTE	34	34	--	--	--	--
SANPETE	389	388	1	417	415	2
SEVIER	424	423	1	426	424	2
WAYNE	57	56	1	1	1	
DISTRICT 5	1,594	1,579	15	1,934	1,589	345
BEAVER	123	122	1	131	127	4
GARFIELD	100	98	2	94	93	1
IRON	507	505	2	543	510	33
KANE	104	98	6	113	81	32
WASHINGTON	760	756	4	1,053	778	275
DISTRICT 6	1,107	1,094	13	987	971	16
DAGGETT	27	19	8	--	--	--
DUCHESNE	418	415	3	446	438	8
UINTAH	662	660	2	541	533	8
DISTRICT 7	1,585	1456	129	1,348	1,281	67
CARBON	615	612	3	842	838	4
EMERY	421	417	4	7	6	1
GRAND	197	178	19	217	208	9
SAN JUAN	352	249	103	282	229	53

TABLE 14

SEX RATIO, NUMBER OF MALES PER 100 FEMALE LIVE BIRTHS
UTAH AND THE UNITED STATES, 1960-1980

	LIVE BIRTH SEX RATIO	
	UTAH RESIDENTS	U.S. RESIDENTS
1980	105.5	N.A.
1979	105.8	105.2
1978	105.1	105.3
1977	105.6	105.3
1976	106.3	105.3
1975	104.5	105.4
1974	103.6	105.5
1973	104.6	105.2
1972	103.1	105.1
1971	105.0	105.2
1970	106.2	105.5
1969	105.1	105.3
1968	104.9	105.3
1967	105.9	105.0
1966	105.9	104.9
1965	105.7	105.1
1964	105.2	104.7
1963	102.8	105.3
1962	104.2	104.8
1961	104.9	105.0
1960	105.1	104.9

Utah continues to have a lower percentage of low birth weight infants than nationally, Table 15. In 1980, the overall rate for low birth weight infants in Utah, 5.3 percent, was 23 percent lower than nationally, 6.9 percent, in 1979, the most recent year for which these data are available. (In 1979, Utah's low birth weight infants, 5.6 percent, was 19 percent lower than the percentage nationally.) Between 1970 and 1980, the percentage of low birth weight infants in Utah decreased by over 18 percent, from 6.5 to 5.3 percent. Nationally, the decrease has been about 13 percent between 1970 and 1979.

Whites, both in Utah and nationally, continue to have a smaller percentage of births that are low birth weight than blacks. The percentage difference in Utah in 1980, was whites, 5.2 percent, and blacks, 9.6 percent. In Utah and nationally, the percentages of low birth weight infants have decreased appreciably for both whites and blacks. For whites in Utah, the percentage decrease has been 20 percent, while for blacks the percentage decrease between 1970 and 1980 was over 25 percent. Nationally, these decreases were 15 percent for whites and 9 percent for blacks between 1970 and 1979.

Out-of-wedlock resident births by age of mother for the period 1960-1980 are summarized in Table 16. While the total number of resident live births increased by less than 2 percent between 1979 and 1980, out-of-wedlock births increased by more than 12 percent during this period. In 1980, out-of-wedlock births in Utah represent over 6.2 percent of total births. In 1979, out-of-wedlocks comprised 5.6 percent of all resident births. Nationally, in 1979, of the 39 states which report marital status, 17.1 percent of the births were out-of-wedlock.

TABLE 15

LOW BIRTH WEIGHT PERCENTAGE, LESS THAN 2,500 GRAMS: UTAH AND THE UNITED STATES, 1970-1980

PERCENTAGE BIRTH WEIGHT LESS THAN 2,500 GRAMS[1]

	UTAH				UNITED STATES		
	TOTAL	WHITE	BLACK	ALL OTHER	TOTAL	WHITE	BLACK
1980	5.3	5.2	9.6	5.5	([2])	([2])	([2])
1979	5.6	5.5	11.2	5.9	6.9	5.8	12.6
1978	5.6	5.6	7.3	5.4	7.1	5.9	12.9
1977	5.2	5.2	13.3	5.6	7.1	5.9	12.8
1976	5.4	5.3	14.0	6.1	7.3	6.1	13.0
1975	5.3	5.3	13.8	5.6	7.4	6.3	13.1
1974	5.3	5.2	17.9	6.4	7.4	6.3	13.1
1973	5.5	5.5	14.7	4.8	7.6	6.4	13.3
1972	6.0	6.0	11.9	7.0	7.7	6.5	13.6
1971	6.2	6.1	9.4	8.3	7.7	6.6	13.4
1970	6.5	6.5	12.9	8.3	7.9	6.8	13.9

[1]LOW BIRTH WEIGHT IS NOW DEFINED, EFFECTIVE JANUARY 1, 1979, AS "LESS THAN 2,500 GRAMS" (OR 5 POUNDS 8 OUNCES). THIS DEFINITION WAS CHANGED IN THE NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES (ICD-9), 1978. PRIOR TO THIS CHANGE, LOW BIRTH WEIGHT WAS DEFINED AS "2,500 GRAMS OR LESS." THIS CHANGE WILL HAVE LITTLE EFFECT ON TRENDS OF LOW BIRTH WEIGHT.

[2]NOT AVAILABLE

TABLE 16

OUT-OF-WEDLOCK BIRTHS BY AGE OF WOMAN: UTAH, 1960-1980

Year	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	Unknown
1980	2,605	28	1,163	894	344	128	42	5	--	1
1979	2,316	18	1,061	784	295	116	35	5	1	1
1978	2,160	28	997	732	274	89	30	9	1	--
1977	1,806	30	880	584	211	73	22	2	1	3
1976	1,493	20	735	479	168	65	21	4	--	1
1975	1,321	32	642	439	136	48	18	3	--	3
1974	1,138	16	564	380	114	40	18	3	--	3
1973	1,216	23	638	381	112	40	15	6	--	1
1972	1,136	23	574	379	83	42	26	5	2	2
1971	1,058	11	500	382	105	38	19	3	--	--
1970	1,215	14	588	441	100	40	20	5	--	7
1969	993	14	413	407	103	36	12	3	1	4
1968	933	7	394	347	106	36	29	7	2	5
1967	791	11	347	280	86	38	18	7	--	4
1966	742	4	331	281	70	31	18	6	--	1
1965	676	3	279	246	86	35	16	8	1	2
1964	585	4	255	207	59	35	14	4	--	7
1963	465	8	169	165	63	34	15	10	--	1
1962	474	4	167	163	67	36	20	10	1	6
1961	456	5	178	161	58	31	11	6	--	6
1960	406	8	157	133	56	21	21	8	--	2

DEATHS

DEATH SUMMARY

There were 8,103 Utah residents who died in 1980, an increase of 3 percent over the 7,871 in 1979, however, the mortality rate decreased by almost 2 percent from 5.6 to 5.5 deaths per 1,000 population. The mortality rate nationally was 8.7 deaths per 1,000 persons.

Deaths can be classified into four major categories: "preventable;" "violent:" "chronic and old age;" and "all others" (Tables A-43 and A-44).

The most significant of these is "preventable death" which includes: certain diseases of early infancy, "ill defined conditions," infections and parasitic diseases, and respiratory diseases, under age 65. These deaths should be declining, as to a large extent they are preventable through good health practices and/or a healthy lifestyle. In 1980, there were 676 "preventable" deaths to residents of Utah. Of these, 435 were to infants less than one year of age.

Another "preventable" category is "violent death," which includes accidents, suicides, homicide, alcoholism, and those deaths classified as "unable to determine whether the injury was purposely or accidentally inflicted." There were 980 "violent" deaths to Utah residents in 1980, of which 347 occurred in motor vehicle accidents and 295 in other, non-vehicular, accidents. Many of these accidental deaths are or were "preventable."

"Chronic and old age" deaths are obviously associated with older age. The age-specific rates for these causes increase with advanced years. Examples in this classification are: cancer; diabetes, over age 55; diseases of the heart; and respiratory disease, age 65 and over. Traditionally, this is the largest category, and contained 5,882 Utahns in 1980.

"All other causes" include the few remaining causes of death not otherwise classified. In 1980, 565 residents of Utah who died were in this category.

Table 17, summarizes the twelve leading causes of death in Utah and the United States in 1980. Although the rank order of the leading causes are similar, both the rates and percentage of deaths are different for the first four and first five out of six. While the rates for the three leading causes of death in the United States are almost twice those in Utah, the rates for the fourth leading cause "accidents and adverse effects" are comparable, Utah 43.6 and the United States 47.9 per 100,000 population, however, accidents comprise almost 8 percent of the deaths in Utah and only 5 percent nationally. The rates for heart disease, malignant neoplasms, and cerebrovascular diseases are all higher nationally than in Utah, 343.0 vs. 194.7; 186.3 vs. 93.6; and 76.6 vs. 43.9, respectively.

Of the 12 leading causes of death nationally, only one "homicide and legal intervention," is not among the 12 leading causes in Utah. For all of the leading causes, the rates nationally are higher than in Utah except for suicide (Utah 13.0 vs. U.S. 12.7) and "certain conditions originating in the perinatal period" (Utah 13.2, the sixth leading cause vs. U.S. 10.1, the twelfth). There is only one leading cause of death in Utah which is not among the leading causes nationally, i.e., "congenital anomalies," which ranked ninth in Utah with a rate of 9.7, while nationally it ranked fourteenth and the rate was 6.2 per 100,000 population.

The relatively low mortality rates in Utah can be explained, at least in part, by Utah's younger population. More than 60 percent of all deaths occur to persons over 65 years of age. Utah has a smaller percentage of older persons than nationally, and, as a consequence, has lower mortality rates.

TABLE 17

LEADING CAUSES OF DEATH: UTAH AND UNITED STATES, 1980

UNITED STATES				UTAH			
RANK CAUSE	ICDA CODE	RATE PER 100,000 POPULATION	PERCENTAGE OF DEATHS	RANK CAUSE	NUMBER	RATE PER 100,000 POPULATION	PERCENTAGE OF DEATHS
TOTAL		892.6	100.0	TOTAL	8,103	549.7	100.0
1. DISEASES OF THE HEART	390-398,402, 404-429	343.0	38.4	1. DISEASES OF THE HEART	2,870	194.7	35.4
2. MALIGNANT NEOPLASMS	140-208	186.3	20.9	2. MALIGNANT NEOPLASMS	1,379	93.6	17.0
3. CEREBROVASCULAR DISEASES	430-438	76.6	8.6	3. CEREBROVASCULAR DISEASES	647	43.9	8.0
4. ACCIDENTS AND ADVERSE EFFECTS	E800-E949	47.9	5.4	4. ACCIDENTS AND ADVERSE EFFECTS	642	43.6	7.9
5. CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	490-496	25.1	2.8	5. PNEUMONIA AND INFLUENZA	262	17.8	3.2
6. PNEUMONIA AND INFLUENZA	480-487	23.7	2.7	6. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	195	13.2	2.4
7. DIABETES MELLITUS	250	15.4	1.7	7. SUICIDE	190	12.9	2.3
8. CHRONIC LIVER DISEASE AND CIRRHOSIS	571	14.1	1.6	8. DIABETES MELLITUS	170	11.5	2.1
9. ATHEROSCLEROSIS	440	13.4	1.5	9. CONGENITAL ANOMALIES	143	9.7	1.8
10. SUICIDE	E950-E959	12.7	1.4	10. ATHEROSCLEROSIS	102	6.9	1.3
11. HOMICIDE AND LEGAL INTERVENTION	E960-E978	11.3	1.3	11. CHRONIC LIVER DISEASE AND CIRRHOSIS	101	6.9	1.2
12. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	10.1	1.1	12. CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND ALLIED CONDITIONS	90	6.1	1.1
RESIDUAL	--	--	12.7	RESIDUAL	1,312	--	16.2

SOURCE: "ANNUAL SUMMARY OF BIRTHS, DEATHS, MARRIAGES AND DIVORCES: UNITED STATES, 1980," MONTHLY VITAL STATISTICS REPORT, VOL. 29, NO. 13, SEPT. 17, 1981, PAGES 18-19.

Table 18, summarizes age and sex specific mortality rates for Utah and the United States. Despite the differences in the age structure of the populations between Utah and the United States, the mortality rate is higher nationally than it is in Utah, at every age level, until ages 85 and older. Also, for every age group, males have higher mortality rates than females. Age and sex-specific mortality rates by district of residence are provided in Table 19.

An historical trend of selected causes of death in Utah is indicated in Tables 20 and 21. These tables show the numbers and "crude mortality," rates per 100,000 population for the eleven year period 1970-1980.

Expected years of life lost are determined by preparing a life table which provides information on normal life expectancy according to a person's age. The difference between the normal life expectancy and the actual age at death is the number of expected years of life lost. This procedure is performed for each death by each cause of death. The working years of life are considered to be ages 15-64. Persons who die before age 65 are considered to have lost the number of working years between their age at death and 65. Persons who die under age 15 are calculated to have lost 50 working years of life. These measures add a refinement to mortality analysis for pinpointing those causes of death that contribute more heavily to premature or early deaths. Obviously, death cannot be prevented. However, we can reasonably strive to prevent premature deaths.

The leading causes of death, expected and working years of life lost are summarized in Table 22. Diseases of the heart which accounted for 35 percent of the deaths in 1980, had the highest percentage for estimated years of life lost, 22 percent, however, it was only sixth highest for working years of life lost, 9 percent. Automobile accidents were third highest in expected years of

TABLE 18

AGE-SPECIFIC MORTALITY RATES BY SEX: UTAH AND UNITED STATES, 1980

RATES PER 1,000 POPULATION

	UTAH			UNITED STATES[1]		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
ALL AGES	5.5	6.3	4.8	8.9	10.0	7.9
UNDER 1 YEAR	10.3	12.0	8.5	13.1	14.5	11.6
1-4 YEARS	.7	.8	.5	.7	.7	.6
5-14	.3	.4	.2	.3	.4	.3
15-24	1.0	1.4	.6	1.2	1.8	.6
25-34	1.1	1.5	.6	1.4	2.1	.8
35-44	1.8	2.2	1.4	2.3	3.0	1.5
45-54	4.6	6.0	3.2	5.9	7.8	4.1
55-59	8.3	10.3	6.4	11.2	14.9	7.8
60-64	12.7	17.7	8.1	16.9	22.7	11.8
65-69	20.5	27.6	14.5	24.6	33.7	17.2
70-74	30.2	41.0	21.7	36.2	50.0	26.1
75-79	50.0	69.5	36.6	60.7	81.9	47.1
80-84	84.9	105.9	72.3	88.6	115.0	74.5
85 YEARS & OVER	158.5	185.7	144.5	144.9	169.0	134.3

[1]"ANNUAL SUMMARY OF BIRTHS, DEATHS, MARRIAGES, AND DIVORCES: UNITED STATES 1980," MONTHLY VITAL STATISTICS REPORT, PROVISIONAL DATA, VOL. 28, NO. 13, SEPT. 17, 1981, NATIONAL CENTER FOR HEALTH STATISTICS, DHHS, HYATTSVILLE, MARYLAND, P. 17.

TABLE 19

AGE-SPECIFIC MORTALITY RATES BY DISTRICT: UTAH, 1980

RATES PER 1,000 POPULATION[a]

	TOTAL	YEARS OF AGE					
		UNDER 1[b]	1-14	15-24	25-44	45-64	65+
TOTAL	5.5	10.3	.4	1.0	1.3	7.3	47.1
MALE	6.3	12.0	.5	1.4	1.8	9.6	56.8
FEMALE	4.8	8.5	.3	.6	.9	5.1	39.8
DISTRICT 1	5.4	8.1	.5	.6	1.0	6.0	44.7
MALE	6.1	10.6	--	.7	1.4	7.4	56.2
FEMALE	4.7	5.3	.6	--	--	4.6	35.9
DISTRICT 2N	4.8	9.4	.5	.6	1.0	6.8	44.4
MALE	5.7	11.1	.6	.9	1.1	9.4	56.9
FEMALE	4.0	7.6	.4	.3	.9	4.2	35.3
DISTRICT 2S	5.8	9.5	.4	1.2	1.5	7.8	48.7
MALE	6.4	9.7	.4	1.8	2.1	10.0	58.1
FEMALE	5.2	9.2	.3	.7	.9	5.7	42.2
DISTRICT 3	4.5	12.5	.4	.7	1.0	6.1	45.7
MALE	5.0	15.8	.5	1.0	1.2	7.2	55.2
FEMALE	4.1	9.0	.3	.5	.7	5.2	40.7
DISTRICT 4	8.5	14.3	--	1.1	1.3	7.7	48.9
MALE	10.5	15.6	--	1.9	1.9	11.7	61.7
FEMALE	6.4	12.8	--	--	--	4.0	38.0
DISTRICT 5	6.9	9.9	--	1.3	1.3	8.2	41.6
MALE	8.6	14.3	--	2.2	1.7	12.5	49.0
FEMALE	5.3	--	--	--	--	4.2	34.8
DISTRICT 6	6.0	11.0	.9	1.6	2.8	8.5	51.2
MALE	7.6	16.3	1.4	2.5	4.2	12.7	56.5
FEMALE	4.4	--	--	--	--	4.1	46.2
DISTRICT 7	6.9	13.5	.8	2.1	2.1	8.4	54.1
MALE	8.1	17.6	1.4	2.8	2.4	10.5	63.9
FEMALE	5.7	--	--	1.4	1.8	6.4	45.6

[a]CENSUS POPULATION, APRIL 1, 1980.

[b]PER 1,000 POPULATION, NOT PER 1,000 LIVE BIRTHS.

TABLE 20

MORTALITY FOR SELECTED CAUSES OF DEATH: UTAH, 1970-1980

CAUSE OF DEATH PER NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES[1]	DEATHS FOR EACH YEAR										
	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
TOTAL, ALL CAUSES	8,103	7,871	7,871	7,612	7,472	7,519	7,380	7,573	7,323	7,245	7,063
CERTAIN OTHER INTESTINAL INFECTIONS (007-009)	4	2	9	10	17	16	18	15	15	17	16
TUBERCULOSIS, ALL FORMS (010-018)	7	1	10	6	8	6	8	14	10	13	13
OTHER INFECTIVE AND PARASITIC DISEASES (001-139)	56	49	51	46	38	46	36	43	44	44	37
MALIGNANT NEOPLASMS (140-208)	1,379	1,314	1,310	1,272	1,246	1,169	1,162	1,088	1,027	1,016	1,029
DIABETES MELLITUS (250)	170	176	167	172	150	152	157	158	173	183	160
DISEASES OF THE HEART (390-398, 402, 404, 410-429)	2,870	2,800	2,658	2,557	2,500	2,479	2,438	2,463	2,485	2,448	2,236
HYPERTENSION WITHOUT MENTION OF THE HEART (400, 401, 403)	17	19	13	20	17	15	20	24	18	28	22
CEREBROVASCULAR DISEASE (430-438)	647	628	676	671	675	725	783	793	713	734	662
GENERAL ARTERIOSCLEROSIS (440)	102	81	105	104	123	93	120	122	104	98	108
OTHER DISEASES OF CIRCULATORY SYSTEM (441-448)	75	70	153	175	183	171	144	157	171	190	167
PNEUMONIA AND INFLUENZA (480-487)	262	232	261	224	259	271	222	224	201	192	198
ASTHMA, BRONCHITIS, AND EMPHYSEMA (490-493)	90	107	102	118	111	133	119	127	108	126	147
ULCER OF STOMACH AND DUODENUM (531-533)	24	26	20	32	31	32	35	39	39	36	49
HERNIA AND INTESTINAL OBSTRUCTION (550-553, 560)	31	25	29	36	33	19	32	42	27	32	25
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	101	143	112	121	100	126	96	121	106	97	102
NEPHRITIS AND NEPHROSIS (580-589)	71	60	22	18	31	38	28	27	35	29	32
CONGENITAL ANOMALIES (740-759)	143	135	162	135	131	137	104	114	107	107	124
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)	195	192	183	152	208	198	206	184	193	220	231
SYMPTOMS, SENILITY, AND ILL-DEFINED CONDITIONS (780-799)	133	154	171	176	146	200	188	264	225	231	350
MOTOR VEHICLE ACCIDENTS (E810-E825)	347	335	384	336	286	278	275	370	388	330	326
ACCIDENTS, ALL OTHERS (E800-E807, E826-E827, E830-E838, E840-E845, E850-E859, E860-E949)	295	287	310	282	270	328	346	327	306	271	292
SUICIDE (E950-E959)	190	179	167	180	167	165	134	146	139	129	156
HOMICIDE AND LEGAL INTERVENSION (E960-E978)	57	62	65	52	60	36	46	41	43	39	41
ALL OTHER CAUSES	837	794	731	717	682	686	663	670	646	639	540

[1]1978 AND PREVIOUS YEARS CODED TO EIGHTH REVISION ICDA, SEE TECHNICAL APPENDIX FOR COMPARABILITY RATIOS.

TABLE 21

MORTALITY RATES FOR SELECTED CAUSES OF DEATH: UTAH, 1970-1980

CAUSE OF DEATH PER NINTH REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES[1]	RATES PER 100,000 POPULATION										
	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
TOTAL, ALL CAUSES	549.7	555.9	577.1	578.4	587.4	609.3	616.5	647.8	645.2	658.0	662.6
CERTAIN OTHER INTESTINAL INFECTIONS (007-009)	(2)	(2)	0.7	0.8	1.3	1.3	1.5	1.3	1.3	1.5	1.5
TUBERCULOSIS, ALL FORMS (010-018)	(2)	(2)	0.7	(2)	0.6	(2)	0.7	1.2	0.9	1.2	1.2
OTHER INFECTIVE AND PARASITIC DISEASES (001-139)	3.8	3.5	3.7	3.5	3.0	3.7	3.0	3.7	3.9	4.0	3.5
MALIGNANT NEOPLASMS (140-208)	93.6	92.8	96.0	96.7	98.0	94.7	97.1	93.1	90.5	92.3	96.5
DIABETES MELLITUS (250)	11.5	12.4	12.2	13.1	11.8	12.3	13.1	13.5	15.2	16.6	15.0
DISEASES OF THE HEART (390-398, 402, 404, 410-429)	194.7	197.7	194.9	194.3	196.5	200.9	203.7	210.7	218.9	222.3	209.8
HYPERTENSION WITHOUT MENTION OF THE HEART (400, 401, 403)	1.2	1.3	1.0	1.5	1.3	1.2	1.7	2.1	1.6	2.5	2.1
CEREBROVASCULAR DISEASE (430-438)	43.9	44.4	49.6	51.0	53.1	58.8	65.4	67.8	62.8	66.7	62.1
GENERAL ARTERIOSCLEROSIS (440)	6.9	5.7	7.7	7.9	9.7	7.5	10.0	10.4	9.2	8.9	10.1
OTHER DISEASES OF CIRCULATORY SYSTEM (441-448)	5.1	4.9	11.2	13.3	14.4	13.9	12.0	13.4	15.1	17.3	15.7
PNEUMONIA AND INFLUENZA (480-487)	17.8	16.4	19.1	17.0	20.4	22.0	18.5	19.2	17.7	17.4	18.6
ASTHMA, BRONCHITIS, AND EMPHYSEMA (490-493)	6.1	7.6	7.5	9.0	8.7	10.8	9.9	10.9	9.5	11.4	13.8
ULCER OF STOMACH AND DUODENUM (531-533)	1.6	1.8	1.5	2.4	2.4	2.6	2.9	3.3	3.4	3.3	4.
HERNIA AND INTESTINAL OBSTRUCTION (550-553, 560)	2.1	1.8	2.1	2.7	2.6	1.5	2.7	3.6	2.4	2.9	2.3
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	6.9	10.1	8.2	9.2	7.9	10.2	8.0	10.4	9.3	8.8	9.6
NEPHRITIS AND NEPHROSIS (580-589)	4.8	4.2	1.6	1.4	2.4	3.1	2.3	2.3	3.1	2.6	3.0
CONGENITAL ANOMALIES (740-759)	9.7	9.5	11.9	10.3	10.3	11.1	8.7	9.8	9.4	9.7	11.6
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)	13.2	13.6	13.4	11.6	16.4	16.0	17.2	15.7	17.0	20.0	21.7
SYMPTONS, SENILITY, AND ILL-DEFINED CONDITIONS (780-799)	9.0	10.9	12.5	13.4	11.5	16.2	15.7	22.6	19.8	21.0	32.8
MOTOR VEHICLE ACCIDENTS (E810-E825)	23.5	23.7	28.2	25.5	22.5	22.5	23.0	31.7	34.2	30.0	30.6
ACCIDENTS ALL OTHERS (E800-E807, E826-E827, E830-E838, E840-E845, E850-E859, E860-E949)	20.0	20.3	22.7	21.4	21.2	26.6	28.9	28.0	27.0	24.6	27.4
SUICIDE (E950-E959)	12.9	12.6	12.2	13.7	13.1	13.4	11.2	12.5	12.2	11.7	14.6
HOMICIDE AND LEGAL INTERVENSION (E960-E978)	3.9	4.4	4.8	4.0	4.7	2.9	3.8	3.5	3.8	3.2	3.8

[1] 1978 AND PREVIOUS YEARS CODED TO EIGHTH REVISION ICDA, SEE TECHNICAL APPENDIX FOR COMPARABILITY RATIOS.

[2] IF NUMBER OF DEATHS WAS 7 OR LESS, NO RATE WAS COMPUTED.

life lost, almost 10 percent; and first in working years of life lost, 16 percent. Mortality related to birth, infancy and early childhood (certain conditions originating in the perinatal period; congenital anomalies, and sudden infant death) accounted for only 5 percent of all deaths, but 18 percent of expected and 29 percent of working years of life lost. Although non-motor vehicle accidents ranked fifth in frequency of deaths, 4 percent, and expected years of lost, 7 percent, it ranked third highest in working years of life lost, 10 percent. Suicide ranked ninth among the leading causes of death, 2 percent, however it ranked seventh for both expected and working years of life lost. Suicides accounted for over 4 percent of expected and almost 7 percent of working years of life lost.

There were 435 resident infant deaths in Utah during 1980, for an infant mortality rate of 10.4 deaths per 1,000 live births. This rate is 17 percent lower than the rate of 12.6 nationally. Of the 435 infant deaths, 276 died during the neonatal period, from the time of birth through the first 27 days for a rate of 6.6 per 1,000 live births. There were 159 postneonatal deaths, from 28 days to one year. The postneonatal mortality rate was 3.8 in Utah.

Utah continues to have one of the lowest infant mortality rates in the United States. Table 23 summarizes Utah's infant mortality rate in various age groups since 1960. For a comparison with national rates, see Table 2.

Since 1978, the bureau has analyzed mortality for persons of Spanish origin. In 1980, a smaller percentage of persons of Spanish origin, 27 percent, died of cardiovascular disease than those of non-Spanish origin, 46 percent. However, persons of Spanish origin had higher percentages of deaths than all others in the state for "certain conditions originating in the perinatal period," 6.4 vs. 2.3 percent; congenital anomalies, 5.4 vs. 1.7 percent; and cirrhosis of the liver, 4.9 vs. 1.2 percent, Table 24. For most

TABLE 22

LEADING CAUSES OF DEATH, EXPECTED AND WORKING YEARS OF LIFE LOST: UTAH, 1980

CAUSE	DEATHS		EXPECTED YEARS OF LIFE LOST		WORKING YEARS OF LIFE LOST	
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
TOTAL	8,103	100.0	173,625	100.0	71,365	100.0
1. DISEASES OF THE HEART	2,870	35.4	37,678	21.7	6,137	8.6
2. MALIGNANT NEOPLASMS	1,379	17.0	25,092	14.5	6,887	9.6
3. CEREBROVASCULAR DISEASE	647	8.0	6,979	4.0	752	1.1
4. MOTOR VEHICLE ACCIDENTS	347	4.3	16,658	9.6	11,430	16.0
5. NON-MOTOR VEHICLE ACCIDENTS	295	3.6	11,596	6.7	7,180	10.1
6. PNEUMONIA AND INFLUENZA	262	3.2	3,685	2.1	1,112	1.6
7. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	195	2.4	14,648	8.4	9,750	13.7
9. SUICIDE	190	2.3	7,444	4.3	4,675	6.6
8. DIABETES MELLITUS	170	2.1	2,810	1.6	805	1.1
10. CONGENITAL ANOMALIES	143	1.8	10,058	5.8	6,707	9.4
11. ATHEROSCLEROSIS	102	1.3	777	0.4	7	0.0
12. CHRONIC LIVER DISEASE AND CIRRHOSIS	101	1.2	2,477	1.4	937	1.3
13. BRONCHITIS, EMPHYSEMA AND ASTHMA	90	1.1	1,348	0.8	200	0.3
14. SUDDEN INFANT DEATH	84	1.0	6,310	3.6	4,200	5.9
ALL OTHER CAUSES	1,228	15.2	26,064	15.0	10,582	14.8

TABLE 23

RESIDENT INFANT MORTALITY RATES BY AGE AT DEATH: UTAH, 1960-1980

YEAR	TOTAL	AGE AT DEATH AND RATES[1]			
		UNDER 1 DAY	1-6 DAYS	1-4 WEEKS	1-11 MONTHS
1980	10.4	3.1	2.2	1.3	3.8
1979	10.7	3.1	2.4	1.3	4.0
1978	11.4	4.0	2.6	1.2	3.6
1977	10.0	3.4	2.3	1.0	3.3
1976	11.7	4.0	2.7	1.2	3.8
1975	13.1	3.7	4.3	1.4	3.9
1974	12.2	4.4	3.0	1.6	3.2
1973	12.7	4.2	3.5	1.3	3.7
1972	13.4	4.6	3.8	1.4	3.5
1971	13.9	5.2	4.2	1.3	3.2
1970	15.0	5.6	4.5	1.0	3.9
1969	15.8	6.0	4.3	1.2	4.3
1968	17.7	7.3	5.0	1.0	4.4
1967	16.7	6.8	4.5	1.2	4.2
1966	18.3	8.2	5.8	1.0	3.3
1965	18.8	7.4	5.2	.9	5.3
1964	20.2	7.8	5.7	1.2	5.5
1963	18.6	6.8	4.9	1.2	5.7
1962	20.0	6.6	6.3	1.3	5.8
1961	20.2	7.7	6.2	1.1	5.2
1960	19.6	6.8	6.7	.9	5.2

[1]RATES ARE PER 1,000 LIVE BIRTHS.

of the other leading causes of death, the percentage distributions for Spanish origin and non-Spanish origin are similar.

Persons of Spanish origin have a lower median age at death, 57.9 years, than those of non-Spanish origin, 71.2 years, Table 25.

TABLE 24

MORTALITY BY SELECTED CAUSE, SPANISH AND NON-SPANISH ORIGIN, RESIDENTS: UTAH, 1980

	SPANISH ORIGIN		NON-SPANISH ORIGIN	
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
CAUSE OF DEATH				
TOTAL	203	100.0	7,900	100.0
TUBERCULOSIS	3	1.5	4	.1
MALIGNANT NEOPLASMS	26	12.8	1,353	17.1
BENIGN NEOPLASMS	3	1.5	23	.3
DIABETES	4	2.0	166	2.1
CARDIOVASCULAR	55	27.1	3,656	46.3
PNEUMONIA/INFLUENZA	8	3.9	254	3.2
LIVER/CIRRHOSIS	10	4.9	91	1.2
CONGENITAL ANOMALIES	11	5.4	132	1.7
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	13	6.4	182	2.3
ACCIDENTS	18	8.7	624	7.9
SUICIDE	4	2.0	186	2.4
HOMICIDE	6	2.9	51	.6
ALL OTHER CAUSES	24	11.8	1,178	14.9

TABLE 25

MORTALITY BY AGE, SPANISH AND NON-SPANISH ORIGIN
RESIDENTS: UTAH, 1980

	SPANISH ORIGIN		NON-SPANISH ORIGIN	
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE
AGE AT DEATH				
TOTAL ALL CAUSES	203	100.0	7,900	100.0
UNDER 1	26	12.8	409	5.2
1-4	3	1.5	94	1.2
5-14	5	2.5	79	1.0
15-24	13	6.4	278	3.5
25-34	13	6.4	241	3.1
35-44	11	5.4	246	3.1
45-54	20	9.9	500	6.3
55-64	31	15.3	995	12.6
65-74	28	13.8	1,650	20.9
75+	53	27.1	3,407	43.1
MEDIAN AGE	57.9 YEARS		71.2 YEARS	

VIOLENT DEATHS

VIOLENT DEATH SUMMARY

Mortality due to violent causes is defined as death due to accidents, suicide, homicide, alcoholism, and "injury but unable to determine whether accidentally or purposely inflicted." Deaths from these causes are usually identified as "medical examiner," or "coroner" cases. The reporting of such cases is influenced by the quality of the medical-legal system in a state. Utah adopted a state-wide medical examiner system in 1968. Improvement in reporting since then may account for part of the increase in violent deaths.

In 1980, there were 980 residents of Utah who died of violent causes. This total represents 12 percent of all deaths to Utah residents for the year and a mortality rate of 66.5 per 100,000 population. Although the number of violent deaths increased between 1979 and 1980, the rate decreased by over 3 percent, Table 26. Nationally, excluding alcoholism, violent deaths accounted for eight percent of all deaths in 1980, and a mortality rate of 71.2 per 100,000 population, Table 27.

The mortality rate for violent deaths decreased between 1979 and 1980, for all types except suicide. During this period, the number of suicide deaths increased by almost 13 percent and the rate increased by over 2 percent. Table 28, summarizes suicide mortality to Utah residents by sex and age for each year, 1970-1980. Although there is some fluctuation in the number of suicide deaths annually, between 1970 and 1980, the total number of suicides to residents of Utah increased by 22 percent, with an increase of 20 percent for males and 26 percent for females. The number of suicides to females (53) increased dramatically in 1980, compared with the 1970s.

TABLE 26

VIOLENT DEATHS AND RATES BY TYPE, RESIDENTS: UTAH, 1979-1980

	NUMBER		RATES[a]		PERCENTAGE CHANGE 1970-1980	
	1980	1979	1980	1979	NUMBER	RATE
TOTAL	980	974	66.5	68.8	1.0	-3.3
ACCIDENTS	642	622	43.6	43.9	3.2	-1.0
MOTOR VEHICLE	347	335	23.5	23.7	3.6	-1.0
NONMOTOR VEHICLE	295	287	20.0	20.3	2.8	-1.5
SUICIDE	190	179	12.9	12.6	6.1	2.4
HOMICIDE	57	62	3.9	4.4	-8.1	-11.4
ALCOHOLISM	54	71	3.7	5.0	-23.9	-26.0
INJURY, UNABLE TO DETERMINE WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	37	40	2.5	2.8	-7.5	-10.7

[a]RATES ARE PER 100,000 POPULATION

TABLE 27

VIOLENT DEATHS AND RATES BY TYPE, RESIDENTS: UTAH AND THE UNITED STATES, 1980

TYPE OF VIOLENCE	UTAH		RATE PER 100,000 POPULATION	
	NUMBER	PERCENTAGE	UTAH	U.S.
TOTAL	980	100.0	66.5	71.2[a]
ACCIDENT	642	65.5	43.6	47.1
SUICIDE	190	19.4	12.9	11.9
HOMICIDE	57	5.8	3.9	10.8
ALCOHOLISM	54	5.5	3.7	-- [b]
INJURY, UNABLE TO DETERMINE WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	37	3.8	2.5	1.4

[a]TOTAL EXCLUDING ALCOHOLISM, ICD 291, 303, 571.0-571.3

[b]NOT AVAILABLE

TABLE 28

SUICIDE MORTALITY BY YEAR, SEX AND AGE, RESIDENTS: UTAH, 1970-1980

YEAR AND SEX	TOTAL	DEATHS DUE TO SUICIDE BY AGE GROUP								
		UNDER 15	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
1980 TOTAL	190	--	11	29	45	31	29	19	14	12
MALE	137	--	5	20	39	22	19	12	10	10
FEMALE	53	--	6	9	6	9	10	7	4	2
1979 TOTAL	179	1	15	28	46	33	15	16	16	9
MALE	148	--	12	25	38	25	13	12	16	7
FEMALE	31	1	3	3	8	8	2	4	--	2
1978 TOTAL	167	2	12	27	30	27	20	25	17	7
MALE	134	2	9	26	25	19	16	19	12	6
FEMALE	33	--	3	1	5	8	4	6	5	1
1977 TOTAL	180	2	17	25	35	29	28	24	14	6
MALE	147	2	17	23	29	23	21	14	12	6
FEMALE	33	--	--	2	6	6	7	10	2	--
1976 TOTAL	167	--	13	15	38	24	31	28	13	5
MALE	129	--	9	14	31	18	20	23	10	4
FEMALE	38	--	4	1	7	6	11	5	3	1
1975 TOTAL	165	--	22	22	36	26	21	15	15	8
MALE	132	--	17	20	32	18	15	10	13	7
FEMALE	33	--	5	2	4	8	6	5	2	1
1974 TOTAL	134	2	6	17	32	24	24	17	10	2
MALE	104	1	3	14	24	19	20	12	10	1
FEMALE	30	1	3	3	8	5	4	5	--	1
1973	146	4	8	11	37	35	23	14	9	5
MALE	108	3	7	9	25	25	15	12	7	5
FEMALE	38	1	1	2	12	10	8	2	2	--
1972	139	--	5	16	26	29	26	25	6	6
MALE	106	--	5	15	18	20	20	18	5	5
FEMALE	33	--	--	1	8	9	6	7	1	1
1971 TOTAL	129	1	9	17	17	30	21	16	13	5
MALE	88	1	8	14	9	15	15	13	9	4
FEMALE	41	--	1	3	8	15	6	3	4	1
1970 TOTAL	156	2	15	17	19	28	29	22	13	11
MALE	114	2	10	15	12	16	23	17	10	9
FEMALE	42	--	5	2	7	12	6	5	3	2

REFERENCE TABLES

TABLE A-1

LIVE BIRTHS BY COUNTY OF OCCURRENCE, SEX, ATTENDANT AND HOSPITAL DELIVERY: UTAH, 1980

COUNTY OF OCCURRENCE	LIVE BIRTHS BY SEX, ATTENDANT AND HOSPITAL DELIVERY					
	TOTAL	MALE	FEMALE	ATTENDED BY PHYSICAN	ATTENDED BY MIDWIFE	HOSPITAL DELIVERY
TOTAL	42,801	21,920	20,881	41,510	333	42,133
DISTRICT 1	2,856	1,467	1,389	2,834	10	2,829
BOX ELDER	754	384	370	746	5	744
CACHE	2,102	1,083	1,019	2,088	5	2,085
RICH	--	--	--	--	--	--
DISTRICT 2N	7,900	4,049	3,851	7,437	45	7,823
DAVIS	2,851	1,429	1,422	2,418	26	2,805
MORGAN	1	1	--	1	--	--
WEBER	5,048	2,619	2,429	5,018	19	5,018
DISTRICT 2S	18,260	9,396	8,864	17,851	90	18,014
SALT LAKE	18,029	9,280	8,749	17,673	89	17,787
TOOELE	231	116	115	178	1	227
DISTRICT 3	8,389	4,267	4,122	8,214	40	8,277
SUMMIT	37	20	17	33	3	33
UTAH	8,074	4,114	3,960	7,906	35	7,969
WASATCH	278	133	145	275	2	275
DISTRICT 4	1,127	571	556	1,116	1	1,115
JUAB	58	31	27	57	--	57
MILLARD	225	130	95	223	--	223
PIUTE	--	--	--	--	--	--
SANPETE	417	204	213	411	--	411
SEVIER	426	206	220	425	1	424
WAYNE	1	--	1	--	--	--
DISTRICT 5	1,934	983	951	1,766	147	1,761
BEAVER	131	60	71	131	--	131
GARFIELD	94	48	46	92	--	92
IRON	543	281	262	540	--	540
KANE	113	50	63	110	1	110
WASHINGTON	1,053	544	509	893	146	888
DISTRICT 6	987	514	473	980	--	984
DAGGETT	--	--	--	--	--	--
DUCHESNE	446	229	217	441	--	446
UINTAH	541	285	256	539	--	538
DISTRICT 7	1,348	673	675	1,312	--	1,330
CARBON	842	431	411	814	--	839
EMERY	7	4	3	1	--	--
GRAND	217	111	106	217	--	217
SAN JUAN	282	127	155	280	--	274

TABLE A-2

LIVE BIRTHS BY SEX, NUMBER BORN, BIRTH ORDER AND RESIDENCE OF MOTHER: UTAH, 1980

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	LIVE BIRTHS BY SEX		SINGLE AND MULTIPLE BIRTHS		LIVE BIRTHS BY BIRTH ORDER						
		MALE	FEMALE	SINGLE	MULTIPLE	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH AND HIGHER	NOT STATED
TOTAL	41,786	21,454	20,332	41,030	756	13,516	10,620	7,404	4,654	2,692	2,835	55
DISTRICT 1	2,775	1,429	1,346	2,732	43	927	668	475	324	185	194	2
BOX ELDER	902	455	447	883	19	241	228	188	121	68	55	1
CACHE	1,805	932	873	1,783	22	665	422	278	192	115	132	1
RICH	68	42	26	[illegible]	2	21	18	9	11	2	7	--
DISTRICT 2N	7,832	4,042	3,790	7,678	154	2,428	2,002	1,505	903	516	475	3
DAVIS	4,083	2,123	1,960	4,002	81	1,143	1,023	808	524	291	292	2
MORGAN	117	55	62	117	--	31	29	22	18	4	12	1
WEBER	3,632	1,864	1,768	3,559	73	1,254	950	675	361	221	171	--
DISTRICT 2S	17,209	8,849	8,360	16,896	313	5,750	4,576	3,024	1,852	995	979	33
SALT LAKE	16,577	8,527	8,050	16,274	303	5,545	4,406	2,916	1,776	961	944	29
TOOELE	632	322	310	622	10	205	170	108	76	34	35	4
DISTRICT 3	8,362	4,259	4,103	8,205	157	2,870	1,988	1,339	865	578	712	10
SUMMIT	256	124	132	254	2	93	57	39	29	21	17	--
UTAH	7,838	4,006	3,832	7,687	151	2,703	1,870	1,239	806	539	671	10
WASATCH	268	129	139	264	4	74	61	61	30	18	24	--
DISTRICT 4	1,322	674	648	1,304	18	303	325	253	184	142	114	1
JUAB	151	74	77	151	--	37	40	36	17	11	10	--
MILLARD	267	155	112	259	8	66	63	47	34	27	30	--
PIUTE	34	14	20	34	--	10	6	9	3	4	2	--
SANPETE	389	192	197	381	8	75	99	77	55	47	36	--
SEVIER	424	211	213	422	2	95	106	79	66	46	31	1
WAYNE	57	28	29	57	--	20	11	5	9	7	5	--
DISTRICT 5	1,594	832	762	1,569	25	424	353	289	217	120	187	4
BEAVER	123	60	63	123	--	37	33	25	10	10	8	--
GARFIELD	100	50	50	100	--	24	28	14	22	9	3	--
IRON	507	262	245	495	12	145	119	94	73	31	44	1
KANE	104	55	49	102	2	28	21	20	16	8	10	1
WASHINGTON	760	405	355	749	11	190	152	136	96	62	122	2
DISTRICT 6	1,107	568	539	1,090	17	340	284	197	132	73	80	1
DAGGETT	27	8	19	27	--	9	3	8	3	3	1	--
DUCHESNE	418	215	203	408	10	129	113	66	54	28	28	--
UINTAH	662	345	317	655	7	202	168	123	75	42	51	1
DISTRICT 7	1,585	801	784	1,556	29	474	434	322	177	83	94	1
CARBON	615	309	306	601	14	183	186	130	61	30	24	1
EMERY	421	214	207	411	10	106	104	92	68	26	25	--
GRAND	197	98	99	196	1	79	61	35	11	5	6	--
SAN JUAN	352	180	172	348	4	106	83	65	37	22	39	--

TABLE A-3

LIVE BIRTHS BY RESIDENCE OF MOTHER AND RACE OF CHILD: UTAH, 1980

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	TOTAL LIVE BIRTHS				
		WHITE	BLACK	INDIAN	OTHER NON-WHITE	NOT STATED
TOTAL	41,786	40,109	219	630	779	49
DISTRICT 1	2,775	2,707	2	24	41	1
BOX ELDER	902	866	1	17	17	1
CACHE	1,805	1,774	1	7	23	--
RICH	68	67	--	--	1	--
DISTRICT 2N	7,832	7,568	90	42	123	9
DAVIS	4,083	3,940	37	19	83	4
MORGAN	117	116	--	1	--	--
WEBER	3,632	3,512	53	22	40	5
DISTRICT 2S	17,209	16,428	124	170	466	21
SALT LAKE	16,577	15,824	122	152	459	20
TOOELE	632	604	2	18	7	1
DISTRICT 3	8,362	8,154	2	83	115	8
SUMMIT	256	252	--	3	--	1
UTAH	7,838	7,634	2	80	115	7
WASATCH	268	268	--	--	--	--
DISTRICT 4	1,322	1,284	--	25	10	3
JUAB	151	149	--	1	1	--
MILLARD	267	249	--	9	8	1
PIUTE	34	34	--	--	--	--
SANPETE	389	385	--	4	--	--
SEVIER	424	411	--	10	1	2
WAYNE	57	56	--	1	--	--
DISTRICT 5	1,594	1,556	--	24	10	4
BEAVER	123	122	--	1	--	--
GARFIELD	100	99	--	1	--	--
IRON	507	493	--	11	3	--
KANE	104	99	--	4	1	--
WASHINGTON	760	743	--	7	6	4
DISTRICT 6	1,107	1,018	--	82	5	2
DAGGETT	27	27	--	--	--	--
DUCHESNE	418	395	--	22	1	--
UINTAH	662	596	--	60	4	2
DISTRICT 7	1,585	1,394	1	180	9	1
CARBON	615	604	1	8	2	--
EMERY	421	414	--	5	2	--
GRAND	197	185	--	10	2	--
SAN JUAN	352	191	--	157	3	1

TABLE A-4

LIVE BIRTHS BY MONTH OF OCCURRENCE AND RESIDENCE OF MOTHER: UTAH, 1980

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	LIVE BIRTHS BY MONTH OF OCCURRENCE											
		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL	41,786	3,304	3,259	3,633	3,669	3,622	3,481	3,717	3,611	3,521	3,488	3,148	3,333
DISTRICT 1	2,775	232	211	229	245	225	237	241	240	224	247	208	236
BOX ELDER	902	70	72	74	88	65	76	81	71	67	98	66	74
CACHE	1,805	160	133	148	154	150	152	154	164	151	144	137	158
RICH	68	2	6	7	3	10	9	6	5	6	5	5	4
DISTRICT 2N	7,832	608	597	710	681	675	641	722	689	675	621	567	636
DAVIS	4,083	324	331	371	362	361	332	357	338	315	331	322	339
MORGAN	117	10	6	8	9	14	12	11	9	13	5	7	13
WEBER	3,632	274	260	331	310	300	297	364	342	347	285	238	284
DISTRICT 2S	17,209	1,347	1,372	1,494	1,499	1,469	1,464	1,565	1,466	1,413	1,401	1,332	1,387
SALT LAKE	16,577	1,316	1,322	1,441	1,437	1,413	1,409	1,505	1,413	1,366	1,352	1,270	1,333
TOOELE	632	31	50	53	62	56	55	60	53	47	49	62	54
DISTRICT 3	8,362	672	628	741	770	724	698	706	701	735	737	616	634
SUMMIT	256	20	21	26	27	22	21	19	22	18	24	21	15
UTAH	7,838	636	585	685	718	680	646	667	660	697	698	567	599
WASATCH	268	16	22	30	25	22	31	20	19	20	15	28	20
DISTRICT 4	1,322	104	108	115	108	112	109	119	119	110	109	101	108
JUAB	151	9	7	13	17	12	15	14	8	14	17	13	12
MILLARD	267	25	20	20	14	17	22	35	30	21	22	17	24
PIUTE	34	2	4	1	2	1	4	2	3	4	4	4	3
SANPETE	389	28	38	35	34	35	34	29	31	31	28	35	31
SEVIER	424	32	36	40	34	42	30	32	44	39	33	28	34
WAYNE	57	8	3	6	7	5	4	7	3	1	5	4	4
DISTRICT 5	1,594	122	142	128	130	164	122	129	147	121	138	114	137
BEAVER	123	4	9	10	10	15	5	11	13	11	16	7	12
GARFIELD	100	1	14	6	9	15	7	6	9	3	11	10	9
IRON	507	54	45	44	46	53	37	32	49	41	36	29	41
KANE	104	10	12	11	10	7	10	11	6	5	8	6	8
WASHINGTON	760	53	62	57	55	74	63	69	70	61	67	62	67
DISTRICT 6	1,107	93	91	92	94	111	80	92	101	109	90	76	78
DAGGETT	27	3	3	4	2	3	2	5	1	3	--	--	1
DUCHESNE	418	41	36	30	41	49	26	32	32	37	34	29	31
UINTAH	662	49	52	58	51	59	52	55	68	69	56	47	46
DISTRICT 7	1,585	126	110	124	142	142	130	133	148	134	145	134	117
CARBON	615	47	34	52	63	55	60	51	58	54	55	40	46
EMERY	421	32	33	33	33	40	29	34	46	34	32	43	32
GRAND	197	11	14	17	24	10	15	16	15	13	23	24	15
SAN JUAN	352	36	29	22	22	37	26	32	29	33	35	27	24

TABLE A-5

LIVE BIRTHS BY RESIDENCE OF MOTHER AND BIRTH WEIGHT OF CHILD: UTAH, 1980

LIVE BIRTHS BY RACE AND SEX OF CHILD	TOTAL BIRTHS	LIVE BIRTHS BY BIRTH WEIGHT OF CHILD (GRAMS AND POUNDS)									
		1,000 OR LESS (2 LBS. 3 OZ. OR LESS)	1,001-1,500 (2 LBS. 4 OZ.-3 LBS. 4 OZ.)	1,501-2,000 (3 LBS. 5 OZ.-4 LBS. 6 OZ.)	2,001-2,500 (4 LBS. 7 OZ.-5 LBS. 8 OZ.)	2,501-3,000 (5 LBS. 9 OZ.-6 LBS. 9 OZ.)	3,001-3,500 (6 LBS. 10 OZ.-7 LBS. 11 OZ.)	3,501-4,000 (7 LBS. 2 OZ.-8 LBS. 13 OZ.)	4,001-4,500 (8 LBS. 14 OZ.-9 LBS. 15 OZ.)	4,501 & OVER (10 LBS. & OVER)	NOT STATED
TOTAL	41,786	125	193	413	1,463	6,611	16,049	12,555	3,666	630	81
DISTRICT 1	2,775	4	9	24	89	427	1,129	844	221	22	6
BOX ELDER	902	4	4	6	17	132	360	274	88	12	5
CACHE	1,805	--	5	15	70	281	746	551	126	10	1
RICH	68	--	--	3	2	14	23	19	7	--	--
DISTRICT 2N	7,832	26	37	86	302	1,283	2,963	2,403	622	103	7
DAVIS	4,083	11	22	48	142	654	1,540	1,280	325	57	4
MORGAN	117	--	1	--	1	17	48	39	9	2	--
WEBER	3,632	15	14	38	159	612	1,375	1,084	288	44	3
DISTRICT 2S	17,209	54	89	184	627	2,899	6,642	4,916	1,510	261	27
SALT LAKE	16,577	54	86	172	603	2,784	6,403	4,742	1,455	253	25
TOOELE	632	--	3	12	24	115	239	174	55	8	2
DISTRICT 3	8,362	30	25	77	243	1,145	3,129	2,686	857	155	15
SUMMIT	256	--	1	6	11	39	110	87	17	4	--
UTAH	7,838	27	22	69	226	1,062	2,916	2,537	818	147	14
WASATCH	268	3	2	2	6	44	103	81	22	4	1
DISTRICT 4	1,322	5	3	10	49	175	495	426	132	25	2
JUAB	151	--	1	2	2	17	58	53	14	4	--
MILLARD	267	--	1	1	12	27	98	84	35	8	1
PIUTE	34	--	--	1	1	6	14	10	2	--	--
SANPETE	389	3	1	3	13	52	142	123	45	6	1
SEVIER	424	2	--	3	19	63	162	137	32	6	
WAYNE	57	--	--	--	2	10	21	19	4	1	--
DISTRICT 5	1,594	1	11	14	32	213	617	511	153	32	10
BEAVER	123	--	1	2	1	20	51	39	7	2	--
GARFIELD	100	--	2	2	2	15	43	29	6	--	1
IRON	507	--	4	2	16	79	206	149	40	7	4
KANE	104	--	--	2	2	7	46	27	15	5	--
WASHINGTON	760	1	4	6	11	92	271	267	85	18	5
DISTRICT 6	1,107	3	9	6	47	187	418	342	72	17	6
DAGGETT	27	--	--	--	1	1	12	11	1	1	--
DUCHESNE	418	1	3	1	18	75	169	116	29	5	1
UINTAH	662	2	6	5	28	111	237	215	42	11	5
DISTRICT 7	1,585	2	10	12	74	282	656	427	99	15	8
CARBON	615	2	4	5	27	120	263	148	38	6	2
EMERY	421	--	2	2	22	69	163	128	29	5	1
GRAND	197	--	3	--	9	25	79	66	11	2	2
SAN JUAN	352	--	1	5	16	68	151	85	21	2	3

TABLE A-6

LIVE BIRTHS BY RESIDENCE OF MOTHER AND PRENATAL VISITS: UTAH, 1980

RESIDENCE OF MOTHER	TOTAL	LIVE BIRTHS BY PRENATAL VISITS							
		NONE	1-5	6-9	10-14	15-18	19-27	27+	NOT STATED
TOTAL	41,786	178	2,256	12,390	23,504	1,784	244	36	1,394
DISTRICT 1	2,775	7	84	705	1,839	96	9	--	35
BOX ELDER	902	3	46	300	510	30	--	--	13
CACHE	1,805	4	37	379	1,293	65	9	--	18
RICH	68	--	1	26	36	1	--	--	4
DISTRICT 2N	7,832	31	447	2,398	4,251	388	46	7	264
DAVIS	4,083	10	198	1,216	2,334	209	33	5	78
MORGAN	117	--	9	40	57	4	1	--	6
WEBER	3,632	21	240	1,142	1,860	175	12	2	180
DISTRICT 2S	17,209	74	816	4,523	10,092	707	105	20	872
SALT LAKE	16,577	68	771	4,358	9,745	662	101	20	852
TOOELE	632	6	45	165	347	45	4	--	20
DISTRICT 3	8,362	19	330	2,588	5,029	306	43	6	41
SUMMIT	256	--	7	73	158	12	1	--	5
UTAH	7,838	19	314	2,378	4,753	291	41	6	36
WASATCH	268	--	9	137	118	3	1	--	--
DISTRICT 4	1,322	11	76	396	735	84	11	1	8
JUAB	151	1	9	42	89	7	3	--	--
MILLARD	267	4	16	63	160	21	2	--	1
PIUTE	34	1	2	13	18	--	--	--	--
SANPETE	389	5	15	110	218	31	6	1	3
SEVIER	424	--	26	145	226	23	--	--	4
WAYNE	57	--	8	23	24	2	--	--	--
DISTRICT 5	1,594	8	157	652	660	80	22	1	14
BEAVER	123	--	4	42	64	7	3	--	3
GARFIELD	100	1	10	41	43	1	3	--	1
IRON	507	1	27	106	298	59	13	--	3
KANE	104	2	18	48	33	1	--	1	1
WASHINGTON	760	4	98	415	222	12	3	--	6
DISTRICT 6	1,107	5	108	275	513	104	2	--	100
DAGGETT	27	--	4	6	13	1	--	--	3
DUCHESNE	418	4	30	77	238	60	--	--	9
UINTAH	662	1	74	192	262	43	2	--	88
DISTRICT 7	1,585	23	238	853	385	19	6	1	60
CARBON	615	2	75	395	113	4	2	--	24
EMERY	421	1	57	254	83	5	1	--	20
GRAND	197	1	19	72	94	6	2	--	3
SAN JUAN	352	19	87	132	95	4	1	1	13

TABLE A-7

LIVE BIRTHS BY RESIDENCE AND MONTH PRENATAL CARE BEGAN
UTAH, 1980

RESIDENCE OF MOTHER	TOTAL LIVE BIRTHS	LIVE BIRTHS BY MONTH PRENATAL CARE BEGAN										
		NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL	41,786	158	3,378	17,214	12,338	3,911	1,632	836	527	316	107	1,369
DISTRICT 1	2,775	3	120	1,098	1,051	254	105	53	29	18	11	33
BOX ELDER	902	1	54	385	247	96	48	18	13	10	7	23
CACHE	1,805	2	61	685	778	155	57	34	14	7	4	8
RICH	68	--	5	28	26	3	--	1	2	1	--	2
DISTRICT 2N	7,832	27	821	3,843	2,006	565	248	108	77	53	14	70
DAVIS	4,083	7	393	1,959	1,125	311	140	55	28	19	5	41
MORGAN	117	1	15	50	30	11	5	1	2	--	1	1
WEBER	3,632	19	413	1,834	851	243	103	52	47	34	8	28
DISTRICT 2S	17,209	70	1,291	6,400	5,349	1,671	661	371	223	127	49	997
SALT LAKE	16,577	64	1,254	6,184	5,158	1,593	624	356	208	118	43	975
TOOELE	632	6	37	216	191	78	37	15	15	9	6	22
DISTRICT 3	8,362	17	742	3,908	2,305	756	293	164	86	44	6	41
SUMMIT	256	--	22	109	75	24	10	7	2	2	--	5
UTAH	7,838	17	712	3,691	2,153	692	262	153	79	37	6	36
WASATCH	268	--	8	108	77	40	21	4	5	5	--	--
DISTRICT 4	1,322	9	134	544	354	152	66	22	19	9	3	10
JUAB	151	1	18	62	37	17	11	3	1	1	--	--
MILLARD	267	3	16	105	80	43	7	4	2	3	1	3
PIUTE	34	1	3	15	7	5	1	--	2		--	--
SANPETE	389	4	31	145	121	38	27	9	8	1	1	4
SEVIER	424	--	60	197	95	39	17	5	5	2	1	3
WAYNE	57	--	6	20	14	10	3	1	1	2	--	--
DISTRICT 5	1,594	6	142	603	419	175	98	46	29	26	11	39
BEAVER	123	--	4	50	40	12	10	5	1	--	--	1
GARFIELD	100	1	10	42	20	13	5	5	1	1	--	2
IRON	507	1	88	231	106	44	20	4	3	3	1	6
KANE	104	1	5	41	26	10	7	2	2	5	3	2
WASHINGTON	760	3	35	239	227	96	56	30	22	17	7	28
DISTRICT 6	1,107	5	62	368	312	134	53	31	28	11	3	100
DAGGETT	27	--	1	8	8	2	--	1	3	--	--	4
DUCHESNE	418	4	30	153	128	47	26	13	6	3	1	7
UINTAH	662	1	31	207	176	85	27	17	19	8	2	89
DISTRICT 7	1,585	21	66	450	542	204	108	41	36	28	10	79
CARBON	615	3	22	187	228	74	45	10	6	10	4	26
EMERY	421	--	22	125	148	61	23	7	8	1	2	24
GRAND	197	1	11	70	66	18	13	5	5	4	1	3
SAN JUAN	352	17	11	68	100	51	27	19	17	13	3	26

TABLE A-8

LIVE BIRTHS BY AGE AND RESIDENCE OF MOTHER: UTAH, 1980

RESIDENCE OF MOTHER	TOTAL BIRTHS	BIRTHS BY AGE OF MOTHER							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
TOTAL	41,786	36	4,561	15,437	12,484	6,556	2,293	394	23	2
DISTRICT 1	2,775	3	270	1,125	793	405	154	24	1	--
BOX ELDER	902	--	131	329	255	132	47	8	--	--
CACHE	1,805	3	132	776	509	265	103	16	1	--
RICH	68	--	7	20	29	8	4	--	--	--
DISTRICT 2N	7,832	6	902	2,747	2,358	1,252	480	82	5	--
DAVIS	4,083	1	395	1,350	1,294	680	305	55	3	--
MORGAN	117	--	16	39	25	24	9	4	--	--
WEBER	3,632	5	491	1,358	1,039	548	166	23	2	--
DISTRICT 2S	17,209	13	1,968	5,908	5,349	2,864	945	153	8	1
SALT LAKE	16,577	13	1,843	5,697	5,185	2,769	914	148	8	--
TOOELE	632	--	125	211	164	95	31	5	--	1
DISTRICT 3	8,362	6	685	3,610	2,369	1,182	429	75	5	1
SUMMIT	256	--	31	70	85	49	18	3	--	--
UTAH	7,838	6	618	3,450	2,213	1,084	389	72	5	1
WASATCH	268	--	36	90	71	49	22	--	--	--
DISTRICT 4	1,322	2	146	465	403	218	75	12	1	--
JUAB	151	--	21	55	49	19	6	1	--	--
MILLARD	267	1	35	81	84	46	17	3	--	--
PIUTE	34	--	6	8	12	6	2	--	--	--
SANPETE	389	--	36	138	122	63	26	4	--	--
SEVIER	424	--	42	161	121	74	22	3	1	--
WAYNE	57	1	6	22	15	10	2	1	--	--
DISTRICT 5	1,594	2	164	564	450	276	113	24	1	--
BEAVER	123	--	22	51	31	10	7	2	--	--
GARFIELD	100	--	6	39	40	12	3	--	--	--
IRON	507	2	48	192	147	78	30	9	1	--
KANE	104	--	13	33	30	21	5	2	--	--
WASHINGTON	760	--	75	249	202	155	68	11	--	--
DISTRICT 6	1,107	3	182	426	289	151	43	11	2	--
DAGGETT	27	--	4	9	8	6	--	--	--	--
DUCHESNE	418	2	73	156	107	49	23	7	1	--
UINTAH	662	1	105	261	174	96	20	4	1	--
DISTRICT 7	1,585	1	244	592	473	208	54	13	--	--
CARBON	615	--	84	244	182	83	19	3	--	--
EMERY	421	--	68	147	131	57	12	6	--	--
GRAND	197	--	35	78	60	20	4	--	--	--
SAN JUAN	352	1	57	123	100	48	19	4	--	--

TABLE A-9

LIVE BIRTHS BY AGE OF MOTHER, RACE AND BIRTH ORDER OF CHILD: UTAH, 1980

RACE AND BIRTH ORDER OF CHILD	TOTAL BIRTHS	BIRTHS BY AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-45	OVER 45	NOT STATED
TOTAL ALL RACES	41,786	36	4,561	15,437	12,484	6,556	2,293	394	23	2
1ST CHILD	13,516	36	3,613	7,090	2,198	475	97	5	1	1
2ND CHILD	10,630	--	823	5,616	3,172	861	140	18	--	--
3RD CHILD	7,404	--	100	2,120	3,694	1,249	217	23	1	--
4TH CHILD	4,654	--	8	498	2,262	1,494	358	32	2	--
5TH CHILD	2,692	--	--	82	844	1,267	435	58	6	--
6TH AND OVER	2,835	--	1	10	304	1,206	1,043	258	13	--
NOT STATED	55	--	16	21	10	4	3	--	--	1
WHITE	40,109	34	4,327	14,840	11,989	6,309	2,206	380	22	2
1ST CHILD	12,904	34	3,440	6,812	2,084	437	90	5	1	1
2ND CHILD	10,213	--	778	5,436	3,040	811	131	17	--	--
3RD CHILD	7,138	--	87	2,026	3,585	1,207	210	22	1	--
4TH CHILD	4,505	--	6	466	2,200	1,458	346	27	2	--
5TH CHILD	2,592	--	--	72	802	1,232	423	57	6	--
6TH AND OVER	2,712	--	1	9	271	1162	1005	252	12	--
NOT STATED	45	--	15	19	7	2	1	--	--	1
BLACK	219	--	50	91	55	18	4	1	--	--
1ST CHILD	97	--	39	41	16	1	--	--	--	--
2ND CHILD	59	--	8	32	15	4	--	--	--	--
3RD CHILD	42	--	3	14	19	5	1	--	--	--
4TH CHILD	10	--	--	2	3	3	1	1	--	--
5TH CHILD	2	--	--	1	--	1	--	--	--	--
6TH AND OVER	9	--	--	1	1	4	2	--	--	--
NOT STATED	1	--	--	--	1	--	--	--	--	--
INDIAN	630	2	111	269	149	69	22	8	--	--
1ST CHILD	223	2	81	103	28	8	1	--	--	--
2ND CHILD	159	--	21	89	36	10	3	--	--	--
3RD CHILD	101	--	7	49	32	12	--	1	--	--
4TH CHILD	59	--	2	21	23	10	1	2	--	--
5TH CHILD	44	--	--	7	17	15	4	1	--	--
6TH AND OVER	44	--	--	--	13	14	13	4	--	--
NOT STATED	--	--	--	--	--	--	--	--	--	--
OTHER NONWHITE	779	--	65	220	277	156	55	5	1	--
1ST CHILD	277	--	50	129	68	27	3	--	--	--
2ND CHILD	190	--	13	54	80	36	6	1	--	--
3RD CHILD	116	--	2	27	56	25	6	--	--	--
4TH CHILD	73	--	--	8	33	21	9	2	--	--
5TH CHILD	54	--	--	2	25	19	8	--	--	--
6TH AND OVER	66	--	--	--	14	26	23	2	1	--
NOT STATED	3	--	--	--	1	2	--	--	--	--
NOT STATED	49	--	8	17	14	4	6	--	--	--
1ST CHILD	15	--	3	5	2	2	3	--	--	--
2ND CHILD	9	--	3	5	1	--	--	--	--	--
3RD CHILD	7	--	1	4	2	--	--	--	--	--
4TH CHILD	7	--	--	1	3	2	1	--	--	--
5TH CHILD	--	--	--	--	--	--	--	--	--	--
6TH AND OVER	5	--	--	--	5	--	--	--	--	--
NOT STATED	6	--	1	2	1	--	2	--	--	--